# TASS COMPLEX

# CAMP WILLIAMS

REDIMOOD ROAD

# UTAH NATIONAL GUARD

# ARCHITECTURAL

WPA ARCHITECTURE 475 NORTH FREEDOM BLVD. PROVO, UTAH 84601 (801) 374-0800 FAX 374-0805



WILLIAMS

TRAVERSE

MOUNTAIN

SARATOGA SPRINGS

UTAH LAKE

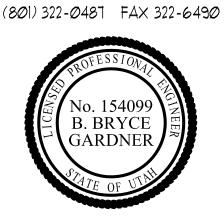
# STRUCTURAL

CKR ENGINEERS 1283 NORTH STATE STREET OREM, UTAH 84057 (801) 222-0922 FAX 222-0902



# MECHANICAL

HEATH ENGINEERING 377 WEST 800 NORTH SALT LAKE CITY, UTAH 84103



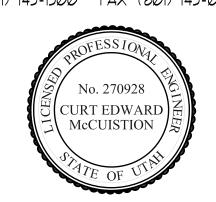
# ELECTRICAL

939 SOUTH WEST TEMPLE SALT LAKE CITY, UTAH 84101 (801) 521-8007 FAX 521-805



# CIVIL

NOLTE ASSOCIATES, INC 5217 SOUTH STATE STREET, SUITE 300 MURRAY, UTAH 84107 (801) 743-1300 FAX (801) 743-0300



# LANDSCAPING

NORTHLAND DESIGN GROUP 12 WEST 100 NORTH SUITE 202B AMERICAN FORK, UTAH 84003 (801) 763-0179 FAX (801) 763-0180



# DRAWING INDEX

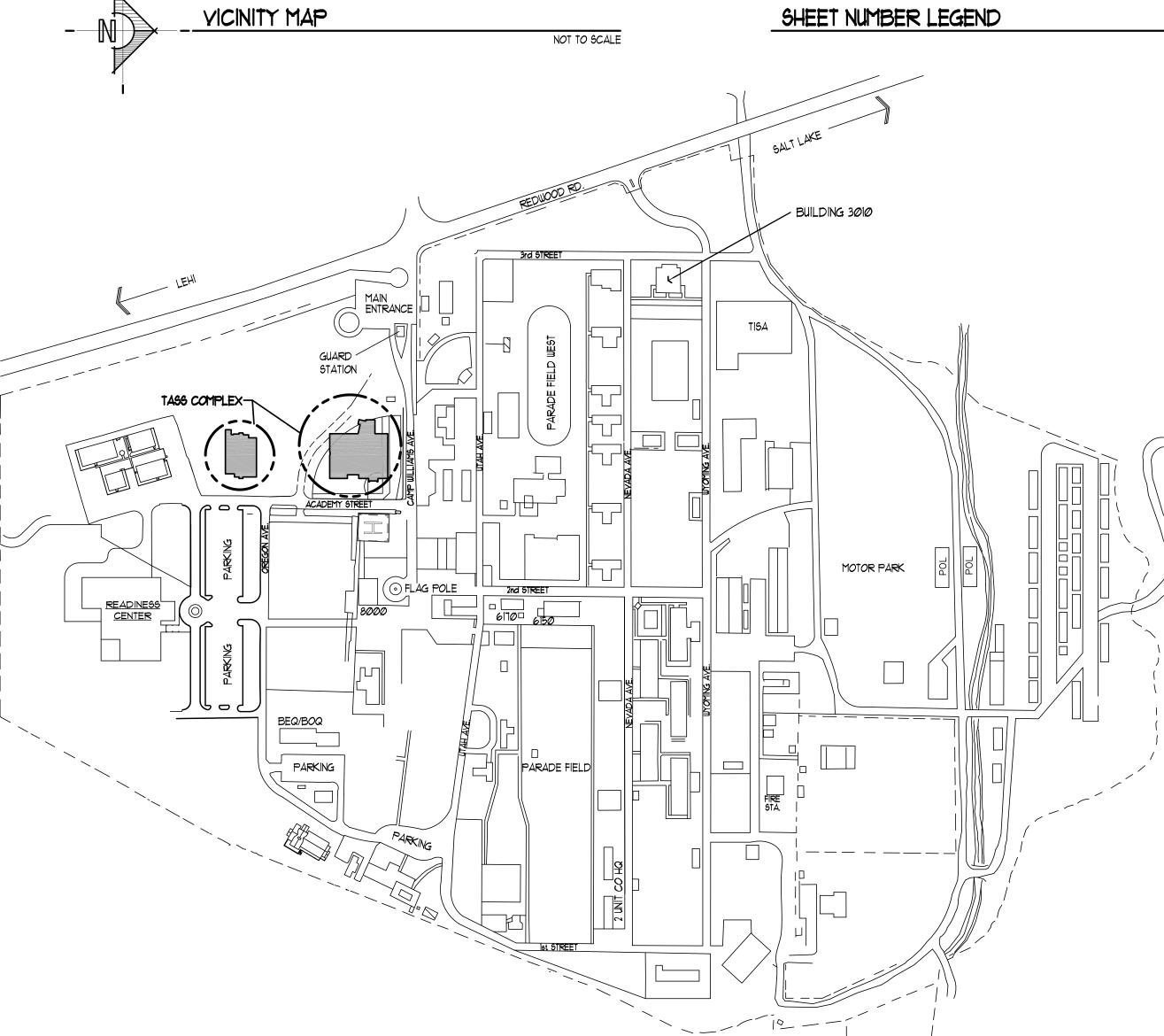
Ø GENERAL 1 PLANS (HORIZONTAL VIEWS) 2 ELEVATIONS (VERTICAL VIEWS)

DISCIPLINE DESIGNATOR

SHEET TYPE

- 3 SECTIONS 4 LARGE SCALE VIEWS (PLANS & ELEV'S)
- 6 SCHEDULES & DIAGRAMS 1 VERTICAL CIRCULATION
- SHEET SEQUENCE NUMBER
- BUILDING DESIGNATOR A ADMINISTRATION & EDUCATION BUILDING
- B BILLETING BUILDING Ø NOT BUILDING SPECIFIC

NOTE: SHEET NUMBERING IN COMPLIANCE WITH DFCM CADD CRITERIA AND THE UNITED STATES NATIONAL CAD STANDARD



MAP OF CAMP WILLIAMS

NOT TO SCALE

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GI-ØBI BILLETING BUILDING CODE

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LS-1A1 PLANTING PLAN PLANTING PLAN IRRIGATION PLAN IRRIGATION PLAN

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# STRUCTURAL

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# DFCM PLAN CHECK Division of Facilities Construction and Management Phase FINAL BID DOCUMENTS Accessibility Electrica Energy HVAC Plumbing APPROVAL DOES NOT RELIEVE A/E OF DESIGN LIABILIT

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ELEVATIONS AE-4BI BILLETING - LARGE SCALE LATRINE PLANS AND INTERIOR ELEVATIONS

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FINAL BID DOCUMENTS APRIL 16, 2007

> DFCM PROJECT NO. 95059480

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ELECTRICAL ELECTRICAL SITE PLAN ELECTRICAL SITE PLAN ADMINISTRATION - FIRST FLOOR ELECTRICAL PLAN ADMINISTRATION - SECOND FLOOR ELECTRICAL PLAN ADMINISTRATION - ROOF PLAN ELECTRICAL PLAN ADMINISTRATION - FIRST FLOOR LIGHTING PLAN ADMINISTRATION - SECOND FLOOR LIGHTING PLAN ADMINISTRATION - FIRST FLOOR SYSTEMS PLAN ADMINISTRATION - SECOND FLOOR SYSTEMS PLAN ADMINISTRATION - MECHANICAL AREA ELECTRICAL BILLETING - ELECTRICAL PLANS BILLETING - ROOF ELECTRICAL PLAN BILLETING - LIGHTING PLANS BILLETING - FIRST FLOOR SYSTEM PLAN EE-1B5 BILLETING - SECOND FLOOR SYSTEM PLAN EE-6AI ADMINISTRATION - POWER SINGLE LINE DIAGRAM EE-6A2 ADMINISTRATION - FIRE ALARM SINGLE LINE DIAGRAM EE-6A3 ADMINISTRATION - COMMUNICATION SYSTEM SINGLE LINE DIAGRAM EE-6A4 ADMINISTRATION - LIGHTING FIXTURE SCHEDULE EE-6A5 ADMINISTRATION - ELECTRICAL DETAILS

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### State of Utah Department of Administrative Services



Division of Facilities Construction & Managemen

4110 State Office Buildin Salt Lake City, Utah 84114 Phone: (801) 538 - 3018 Fax: (801) 538 - 3267

Internet: http://www.dfcm.state.ut.u



**Utah National Guard** 

12953 South Minuteman Drive Draper, Utah 84020-1726



475 North Freedom Blvd. Provo, Utah, 84601

Tel: (801) 374-0800 Fax: (801) 374-0805

**BUILDING NAME:** 

PROJECT TITLE

TASS COMPLEX **CAMP WILLIAMS** 

UTAH NATIONAL GUARD

MARK DATE DESCRIPTION

**ISSUE TYPE:** FINAL BID DOCUMENTS

**ISSUE DATE:** 

APRIL 16, 2007 DFCM PROJECT NO: 95059480

CAD PROJECT NO: CAD DWG FILE:

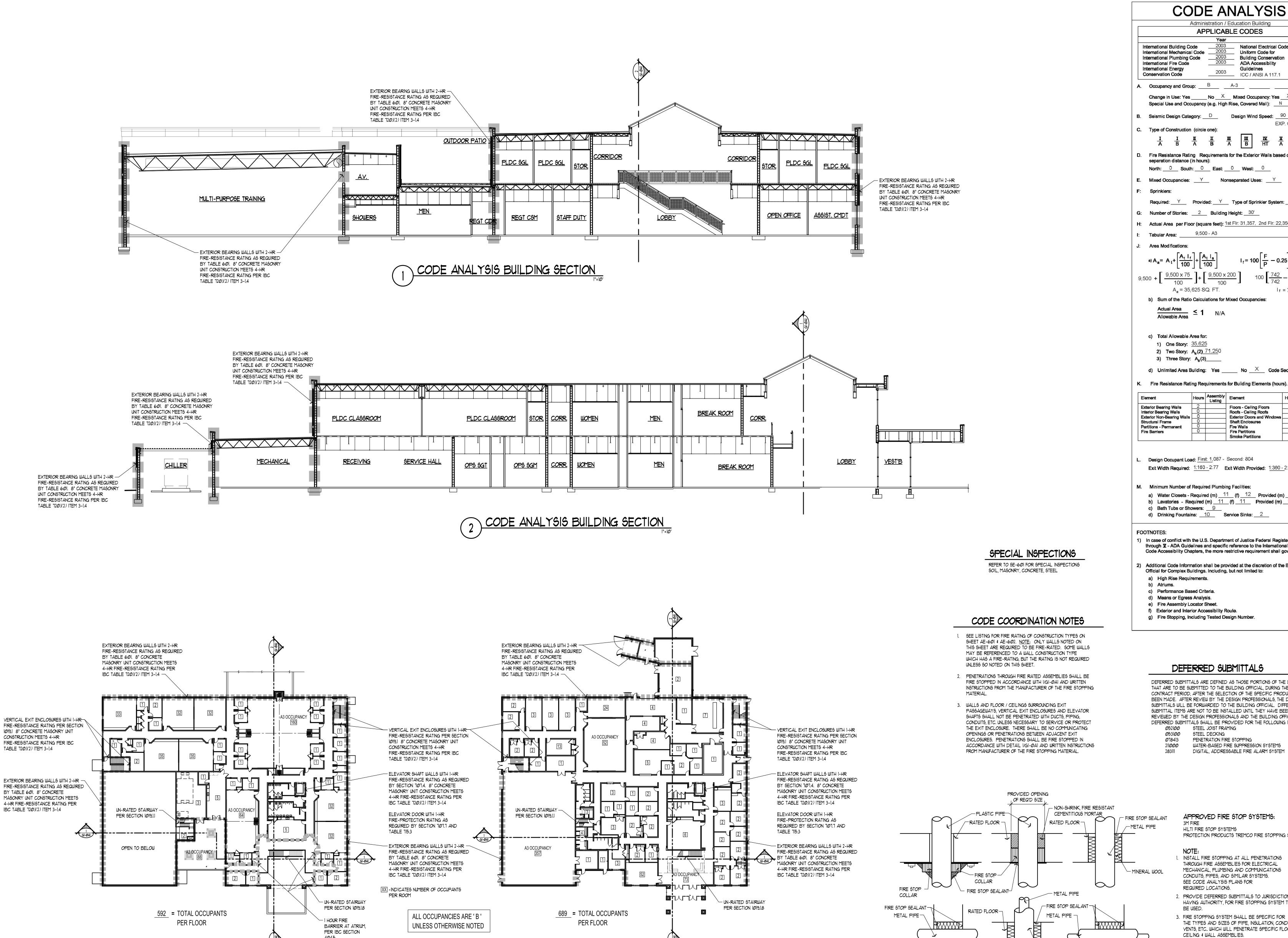
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SHEET TITLE

**COVER SHEET** 

SHEET NUMBER



CODE ANALYSIS FIRST FLOOR PLAN

CODE ANALYSIS SECOND FLOOR PLAN

**CODE ANALYSIS** 

Administration / Education Building **APPLICABLE CODES** National Electrical Code International Building Code International Mechanical Code Uniform Code for International Plumbing Code **Building Conservation** International Fire Code ADA Accessibility 1994 International Energy Guildelines 2003 Conservation Code ICC / ANSI A 117.1

A. Occupancy and Group: B A-3 Change in Use: Yes \_\_\_\_\_ No \_\_X \_\_ Mixed Occupancy: Yes \_\_X \_ No \_\_\_\_ Special Use and Occupancy (e.g. High Rise, Covered Mall): N

B. Seismic Design Category: \_\_D \_\_ Design Wind Speed: \_\_90 \_ mph C. Type of Construction (circle one):

Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours): North: 0 South: 0 East: 0 West: 0

E. Mixed Occupancies: Y Nonseparated Uses: Y

Required: Y Provided: Y Type of Sprinkler System: NFPA 13

G: Number of Stories: 2 Building Height: 30' H: Actual Area per Floor (square feet): 1st Flr: 31,357, 2nd Flr: 22,356

Area Modifications:

A<sub>a</sub> = 35,625 SQ. FT.

b) Sum of the Ratio Calculations for Mixed Occupancies:

c) Total Allowable Area for:

1) One Story: <u>35,625</u> 2) Two Story: A<sub>a</sub>(2) 71.250 3) Three Story: A<sub>a</sub>(3)\_\_\_\_\_

d) Unlimited Area Building: Yes \_\_\_\_\_ No \_\_X Code Section: \_\_\_\_

Exterior Bearing Walls Interior Bearing Walls Roofs - Ceiling Roofs Exterior Non-Bearing Walls Exterior Doors and Windows Structural Frame Shaft Enclosures Partitions - Permanent Fire Walls Fire Partitions

Design Occupant Load: First: 1,087 - Second: 804 Exit Width Required: 1:163 - 2:77 Exit Width Provided: 1:360 - 2:144

M. Minimum Number of Required Plumbing Facilities:

a) Water Closets - Required (m) 11 (f) 12 Provided (m) 23 (f) 12 b) Lavatories - Required (m) 11 (f) 11 Provided (m) 14 (f) 12 c) Bath Tubs or Showers: 9

1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through ▼ - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.

2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:

a) High Rise Requirements.

c) Performance Based Criteria. d) Means or Egress Analysis.

f) Exterior and Interior Accessibility Route. g) Fire Stopping, Including Tested Design Number.

DEFERRED SUBMITTALS

DEFERRED SUBMITTALS ARE DEFINED AS THOSE PORTIONS OF THE DESIGN THAT ARE TO BE SUBMITTED TO THE BUILDING OFFICIAL, DURING THE CONTRACT PERIOD, AFTER THE SELECTION OF THE SPECIFIC PRODUCT HAS BEEN MADE. AFTER REVIEW BY THE DESIGN PROFESSIONALS, THE DEFERRED SUBMITTALS WILL BE FORWARDED TO THE BUILDING OFFICIAL. DIFFERED SUBMITTAL ITEMS ARE NOT TO BE INSTALLED UNTIL THEY HAVE BEEN REVIEWED BY THE DESIGN PROFESSIONALS AND THE BUILDING OFFICIAL.

APPROVED FIRE STOP SYSTEMS:

INSTALL FIRE STOPPING AT ALL PENETRATIONS

THROUGH FIRE ASSEMBLIES FOR ELECTRICAL

MECHANICAL, PLUMBING AND COMMUNICATIONS

2. PROVIDE DEFERRED SUBMITTALS TO JURISDICTION

HAVING AUTHORITY, FOR FIRE STOPPING SYSTEM TO

THE TYPES AND SIZES OF PIPE, INSULATION, CONDUITS,

VENTS, ETC.. WHICH WILL PENETRATE SPECIFIC FLOOR,

DESIGNATIONS FOR FIRE STOPPING SYSTEM, INCLUDING F & T RATING, AS OUTLINED IN UL FIRE RESISTANCE

4. DEFERRED SUBMITTALS SHALL LIST APPLICABLE

DIRECTORY OR OTHER APPROVED AGENCIES.

CONDUITS, PIPES, AND SIMILAR SYSTEMS. SEE CODE ANALYSIS PLANS FOR

PROTECTION PRODUCTS TREMCO FIRE STOPPING SYSTEMS

HILTI FIRE STOP SYSTEMS

REQUIRED LOCATIONS.

CEILING & WALL ASSEMBLIES.

BE USED.

RATED WALL

TYPICAL FIRE STOP DETAILS

MINERAL WOOL-

RATED WALL -

DEFERRED SUBMITTALS SHALL BE PROVIDED FOR THE FOLLOWING ITEMS: Ø521ØØ STEEL JOIST FRAMING Ø531ØØ STEEL DECKING Ø78413 PENETRATION FIRE STOPPING

MARK DATE DESCRIPTION WATER-BASED FIRE SUPPRESSION SYSTEMS DIGITAL, ADDRESSABLE FIRE ALARM SYSTEM **ISSUE TYPE:** 

FINAL BID DOCUMENTS

State of Utah

Department of Administrative Services

Division of Facilities

Construction & Management

4110 State Office Building

Salt Lake City, Utah 84114

Phone: (801) 538 - 3018

Fax: (801) 538 - 3267

Internet: http://www.dfcm.state.ut.us

Utah National Guard

12953 South Minuteman Drive Draper, Utah 84020-1726

architecture

475 North Freedom Blvd.

Provo, Utah, 84601

Tel: (801) 374-0800

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**ADMINISTRATION AND** 

**EDUCATION** 

TASS COMPLEX

**CAMP WILLIAMS** 

**UTAH NATIONAL GUARD** 

**BUILDING NAME:** 

PROJECT TITLE:

ISSUE DATE: APRIL 16, 2007

DFCM PROJECT NO: 95059480

CAD PROJECT NO:

CAD DWG FILE: DRAWN BY:

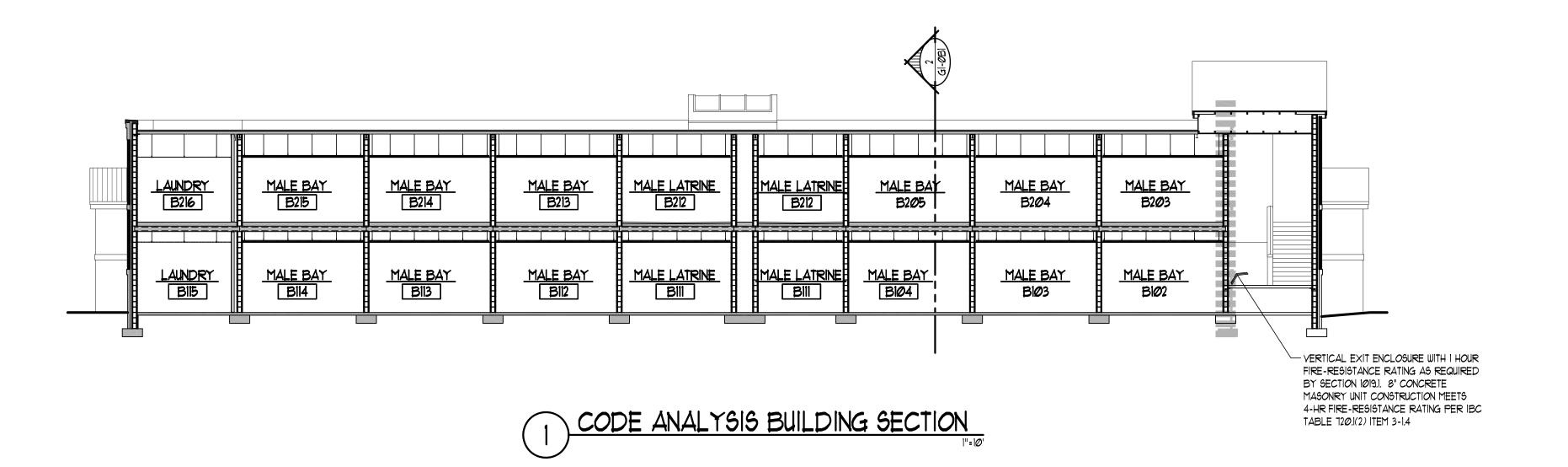
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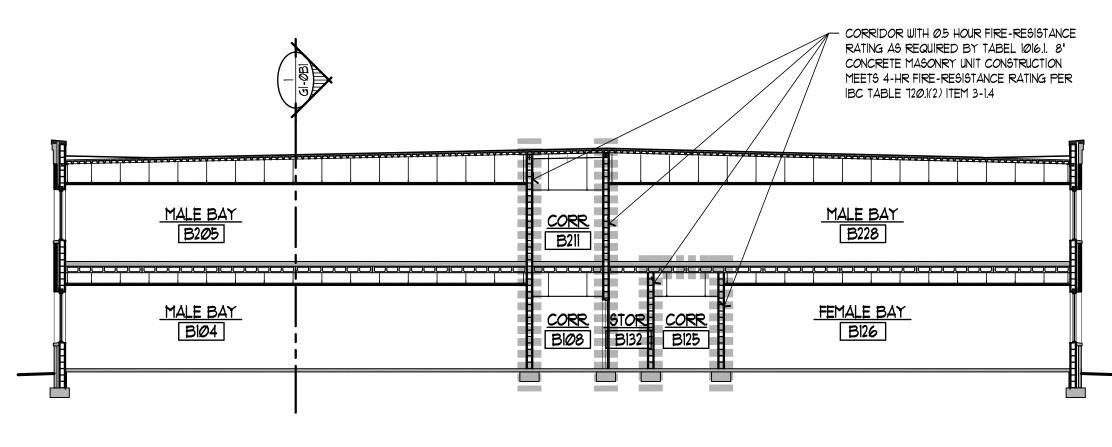
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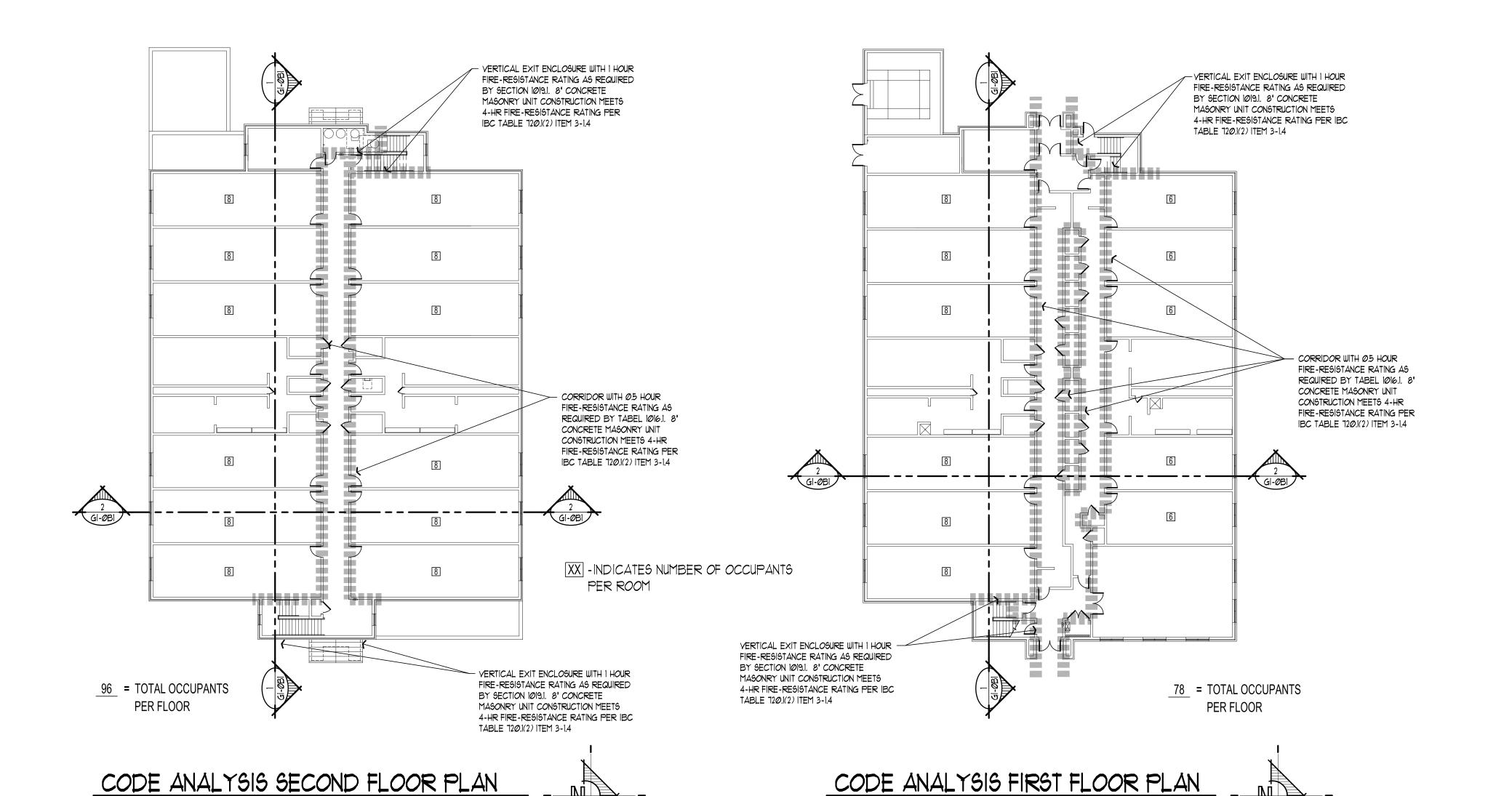
ADMINISTRATION AND **EDUCATION BUILDING** CODE ANALYSIS

SHEET NUMBER





# 2 CODE ANALYSIS BUILDING SECTION



### CODE COORDINATION NOTES

- 1. SEE LISTING FOR FIRE RATING OF CONSTRUCTION TYPES ON SHEET AE-601 & AE-602. NOTE: ONLY WALLS NOTED ON THIS SHEET ARE REQUIRED TO BE FIRE-RATED. SOME WALLS MAY BE REFERENCED TO A WALL CONSTRUCTION TYPE WHICH HAS A FIRE-RATING, BUT THE RATING IS NOT REQUIRED UNLESS SO NOTED ON THIS SHEET.
- 2. PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE FIRE STOPPED IN ACCORDANCE WITH I/GI-ØBI AND WRITTEN INSTRUCTIONS FROM THE MANUFACTURER OF THE FIRE STOPPING
- 3. WALLS AND FLOOR / CEILINGS SURROUNDING EXIT PASSAGEWAYS, VERTICAL EXIT ENCLOSURES AND ELEVATOR SHAFTS SHALL NOT BE PENETRATED WITH DUCTS, PIPING, CONDUITS, ETC. UNLESS NECESSARY TO SERVICE OR PROTECT THE EXIT ENCLOSURE. THERE SHALL BE NO COMMUNICATING OPENINGS OR PENETRATIONS BETWEEN ADJACENT EXIT ENCLOSURES. PENETRATIONS SHALL BE FIRE STOPPED IN ACCORDANCE WITH DETAIL I/GI-ØBI AND WRITTEN INSTRUCTIONS FROM MANUFACTURER OF THE FIRE STOPPING MATERIAL.

# DEFERRED SUBMITTALS

DEFERRED SUBMITTALS ARE DEFINED AS THOSE PORTIONS OF THE DESIGN THAT ARE TO BE SUBMITTED TO THE BUILDING OFFICIAL, DURING THE CONTRACT PERIOD, AFTER THE SELECTION OF THE SPECIFIC PRODUCT HAS BEEN MADE. AFTER REVIEW BY THE DESIGN PROFESSIONALS, THE DEFERRED SUBMITTALS WILL BE FORWARDED TO THE BUILDING OFFICIAL. DIFFERED SUBMITTAL ITEMS ARE NOT TO BE INSTALLED UNTIL THEY HAVE BEEN REVIEWED BY THE DESIGN PROFESSIONALS AND THE BUILDING OFFICIAL DEFERRED SUBMITTALS SHALL BE PROVIDED FOR THE FOLLOWING ITEMS: Ø341ØØ PRECAST STRUCTURAL CONCRETE

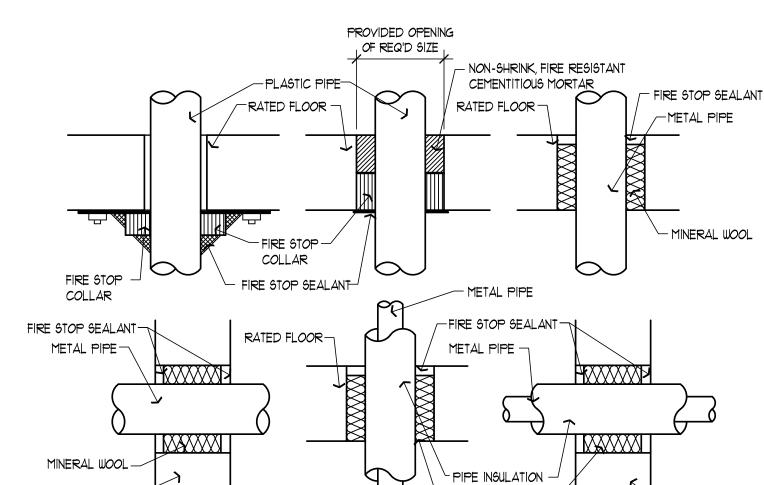
Ø531ØØ STEEL DECKING SHOP FABRICATED WOOD TRUSSES WATER-BASED FIRE SUPPRESSION SYSTEMS DIGITAL, ADDRESSABLE FIRE ALARM SYSTEM

RATED WALL

#### International Building Code National Electrical Code 2002 Uniform Code for International Mechanical Code **Building Conservation** International Plumbing Code ADA Accessibility International Fire Code International Energy Guildelines 2003 Conservation Code ICC / ANSI A 117.1 A. Occupancy and Group: R2 Change in Use: Yes \_\_\_\_\_ No \_\_X \_\_ Mixed Occupancy: Yes \_\_\_\_\_ No \_\_X Special Use and Occupancy (e.g. High Rise, Covered Mall): N B. Seismic Design Category: \_\_D \_\_ Design Wind Speed: \_\_90 \_ mph C. Type of Construction (circle one): D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours): North: 0 South: 0 East: 0 West: 0 Mixed Occupancies: Nonseparated Uses: N Required: Y Provided: Y Type of Sprinkler System: NFPA 13 R G: Number of Stories: 2 Building Height: 22 H: Actual Area per Floor (square feet): 12,000 Tabular Area: 7,000 Area Modifications: $A_a = 26,250 SQ. FT.$ b) Sum of the Ratio Calculations for Mixed Occupancies Actual Area Allowable Area ≤ 1 N/A c) Total Allowable Area for: 1) One Story: 26,250 2) Two Story: A<sub>a</sub> (2) 52,500 3) Three Story: A<sub>a</sub>(3)\_\_\_\_\_ d) Unlimited Area Building: Yes \_\_\_\_ No \_X Code Section: \_\_\_\_ K. Fire Resistance Rating Requirements for Building Elements (hours). Hours Assembly Element Interior Bearing Walls Roofs - Ceiling Roofs Structural Frame Shaft Enclosures Partitions - Permanent Fire Walls Fire Partitions Fire Barriers Smoke Partitions Design Occupant Load: 174 Exit Width Required: \_\_\_26\_\_ Exit Width Provided: 144 M. Minimum Number of Required Plumbing Facilities: a) Water Closets - Required (m) 14 (f) 4 Provided (m) 39 (f) 8 b) Lavatories - Required (m) 14 (f) 4 Provided (m) 22 (f) 9 c) Bath Tubs or Showers: (m) 30 (f) 6 d) Drinking Fountains: 2 Service Sinks: 8 FOOTNOTES: 1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through Y - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern. ) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to: a) High Rise Requirements. b) Atriums. c) Performance Based Criteria d) Means or Egress Analysis. e) Fire Assembly Locator Sheet. f) Exterior and Interior Accessibility Route. g) Fire Stopping, Including Tested Design Number.

**CODE ANALYSIS** 

APPLICABLE CODES



TYPICAL FIRE STOP DETAILS



INSTALL FIRE STOPPING AT ALL PENETRATIONS THROUGH FIRE ASSEMBLIES FOR ELECTRICAL MECHANICAL, PLUMBING AND COMMUNICATIONS CONDUITS, PIPES, AND SIMILAR SYSTEMS. SEE CODE ANALYSIS PLANS FOR REQUIRED LOCATIONS.

2. PROVIDE DEFERRED SUBMITTALS TO JURISDICTION HAVING AUTHORITY, FOR FIRE STOPPING SYSTEM TO BE USED.

3. FIRE STOPPING SYSTEM SHALL BE SPECIFIC FOR THE TYPES AND SIZES OF PIPE, INSULATION, CONDUITS, VENTS, ECT. WHICH WILL PENETRATE SPECIFIC FLOOR, CEILING & WALL ASSEMBLIES.

4. DEFERRED SUBMITTALS SHALL LIST APPLICABLE DESIGNATIONS FOR FIRE STOPPING SYSTEM, INCLUDING F & T RATING, AS OUTLINED IN UL FIRE RESISTANCE DIRECTORY OR OTHER APPROVED AGENCIES.



SHEET NUMBER

State of Utah

Department of Administrative Services

Division of Facilities

Construction & Management

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Salt Lake City, Utah 84114 Phone: (801) 538 - 3018

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12953 South Minuteman Drive

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WPA

architecture

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Fax: (801) 374-0805

BAY BILLETING

TASS COMPLEX

CAMP WILLIAMS

UTAH NATIONAL GUARD

MARK DATE DESCRIPTION

FINAL BID DOCUMENTS

APRIL 16, 2007

DFCM PROJECT NO: 95059480

State of Utah

**ISSUE TYPE:** 

ISSUE DATE:

CAD PROJECT NO:

CAD DWG FILE:

DRAWN BY:

CHK'D BY:

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SHEET TITLE

CODE ANALYSIS

BAY BILLETING BUILDING

**BUILDING NAME:** 

PROJECT TITLE:

THE CONTRACTOR SHALL CAREFULLY READ ALL OF THE NOTES AND SPECIFICATIONS, THE CONTRACTOR SHALL BE SATISFIED AS TO THE TRUE MEANING AND INTENTION AND SHALL BE RESPONSIBLE FOR COMPLYING WITH EACH.

#### GENERAL NOTES:

1) ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE FOLLOWING: THE UTAH CHAPTER OF THE 2002 EDITION AMERICAN PUBLIC WORKS ASSOCIATION MANUAL OF STANDARD PLANS AND SPECIFICATIONS IN ITS LATEST EDITION (APWA), WHERE APPLICABLE.

2) PRIOR TO ANY WORK BEING PERFORMED, THE CONTRACTOR SHALL CONTACT THE UTAH NATIONAL GUARD FOR A PRE-CONSTRUCTION CONFERENCE AS DIRECTED BY THE OWNER. CONTRACTOR SHALL ALSO NOTIFY THE BELOW LISTED PROJECT CONTACTS (48) HOURS IN ADVANCE OF SAID MEETING:

A. REGULATORY AGENCY: UTAH NATIONAL GUARD 12953 SOUTH MINUTEMAN DRIVE, DRAPER UT 84020-1776 *(801) 523–4233* (801) 523-4737 FAX

CONTACT: D. SCOTT POTTER, ENGINEERING SUPERVISOR

1425 WEST 3100 SOUTH, SALT LAKE CITY, UT 84119

B. ENGINEER: NOLTE ASSOCIATES, INC. 5217 SOUTH STATE STREET, SUITE 300, MURRAY, UT 84107-4828 (801) 743–1300 (801) 743-0300 FAX

CONTACT: CURT McCUISTION, P.E.

CONTACT: DEANNA HOPKINS

C. POWER COMPANY: **PACIFICORP** 12840 SOUTH PONY EXPRESS ROAD, RIVERTON, UT 84065 (801) 576–6228 CONTACT: JOHN SPRINGER

D. GAS COMPANY: 1140 WEST 200 SOUTH, SALT LAKE CITY, UT 84104 (801) 324-3957

E. TELEPHONE COMPANY:

CONTACT: JD HOOTER

(801) 974-8168

3) IT IS INTENDED THAT THESE PLANS AND SPECIFICATIONS REQUIRE ALL LABOR AND MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES OR AMBIGUITIES WHICH MAY EXIST IN THE PLANS OR SPECIFICATIONS. THE ENGINEER'S INTERPRETATION THEREOF SHALL BE CONCLUSIVE.

4) WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.

5) THE CONTRACTOR SHALL BE SKILLED AND REGULARLY ENGAGED IN THE GENERAL CLASS AND TYPE OF WORK CALLED FOR IN THE PROJECT PLANS AND SPECIFICATIONS. THEREFORE, THE OWNER IS RELYING UPON THE EXPERIENCE AND EXPERTISE OF THE CONTRACTOR, IT SHALL BE EXPECTED THAT PRICES PROVIDED WITHIN THE CONTRACT DOCUMENTS SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE.

THE CONTRACTOR SHALL BE COMPETENT, KNOWLEDGEABLE AND HAVE SPECIAL SKILLS IN THE NATURE, EXTENT AND INHERENT CONDITIONS OF THE WORK TO BE PERFORMED. CONTRACTOR SHALL ALSO ACKNOWLEDGE THAT THERE ARE CERTAIN PECULIAR AND INHERENT CONDITIONS EXISTENT IN THE CONSTRUCTION OF THE PARTICULAR FACILITIES. WHICH MAY CREATE, DURING THE CONSTRUCTION PROGRAM, UNUSUAL OR UNSAFE CONDITIONS HAZARDOUS TO PERSONS. PROPERTY AND THE ENVIRONMENT. CONTRACTOR SHALL BE AWARE OF SUCH PECULIAR RISKS AND HAVE THE SKILL AND EXPERIENCE TO FORESEE AND TO ADOPT PROTECTIVE MEASURES TO ADEQUATELY AND SAFELY PERFORM THE CONSTRUCTION WORK WITH RESPECT TO SUCH HAZARDS.

6) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF THE PROJECT, AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS AND CONDITIONS OF ALL PERMITS AND APPROVALS APPLICABLE TO THIS PROJECT. THE CONTRACTOR SHALL ENSURE THAT THE NECESSARY RIGHT-OF-WAYS, EASEMENTS, AND/OR PERMITS ARE SECURED PRIOR TO CONSTRUCTION.

7) THE CONTRACTOR SHALL, AT THE TIME OF BIDDING, AND, THROUGHOUT THE PERIOD OF THE CONTRACT, BE LICENSED IN THE STATE OF UTAH AND SHALL BE BONDABLE FOR AN AMOUNT EQUAL TO OR GREATER THAN THE AMOUNT BID AND TO DO THE TYPE OF WORK CONTEMPLATED IN THE PLANS AND SPECIFICATIONS. CONTRACTOR SHALL BE SKILLED AND REGULARLY ENGAGED IN THE GENERAL CLASS AND TYPE OF WORK CALLED FOR IN THE PLANS AND

8) CONTRACTOR SHALL INSPECT THE SITE OF THE WORK PRIOR TO BIDDING TO SATISFY THEMSELVES BY PERSONAL EXAMINATION OR BY SUCH OTHER MEANS AS THEY MAY PREFER, OF THE LOCATION OF THE PROPOSED WORK, AND OF THE ACTUAL CONDITIONS OF AND AT THE SITE OF WORK.

IF. DURING THE COURSE OF THEIR EXAMINATION, A BIDDER FINDS FACTS OR CONDITIONS WHICH APPEAR TO THEM TO BE IN CONFLICT WITH THE LETTER OR SPIRIT OF THE PROJECT PLANS AND SPECIFICATIONS, THEY SHALL CONTACT THE ENGINEER FOR ADDITIONAL INFORMATION AND EXPLANATION BEFORE SUBMITTING THEIR BID.

SUBMISSION OF A BID BY THE CONTRACTOR SHALL CONSTITUTE ACKNOWLEDGMENT THAT, IF AWARDED THE CONTRACT, THEY HAVE RELIED AND ARE RELYING ON THEIR OWN EXAMINATION OF (1) THE SITE OF THE WORK, (2) ACCESS TO THE SITE, AND (3) ALL OTHER DATA AND MATTERS REQUISITE TO THE FULFILLMENT OF THE WORK AND ON THEIR OWN KNOWLEDGE OF EXISTING FACILITIES ON AND IN THE VICINITY OF THE SITE OF THE WORK TO BE CONSTRUCTED UNDER THIS CONTRACT.

THE INFORMATION PROVIDED BY THE ENGINEER IS NOT INTENDED TO BE A SUBSTITUTE FOR, OR A SUPPLEMENT TO THE INDEPENDENT VERIFICATION BY THE CONTRACTOR TO THE EXTENT SUCH INDEPENDENT INVESTIGATION OF SITE CONDITIONS IS DEEMED NECESSARY OR DESIRABLE BY THE CONTRACTOR. CONTRACTOR SHALL ACKNOWLEDGE THAT THEY HAVE NOT RELIED SOLELY UPON OWNER OR ENGINEER FURNISHED INFORMATION REGARDING SITE CONDITIONS IN PREPARING AND SUBMITTING

9) THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, BARRICADES, SIGNS, FLAGMEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY, AS REQUIRED BY THE RESPECTIVE REGULATORY AGENCY

10) THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL WATER, POWER, SANITARY FACILITIES AND TELEPHONE SERVICES AS REQUIRED FOR THE CONTRACTORS USE DURING CONSTRUCTION.

11) THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNER, AND/OR THE ENGINEER.

12) THE CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE BENCH MARKS. CONTROL POINTS. REFERENCE POINTS AND ALL SURVEY STAKES. AND SHALL BEAR ALL EXPENSES FOR REPLACEMENT AND/OR ERRORS CAUSED BY THEIR UNNECESSARY LOSS OR DISTURBANCE.

13) THE CONTRACTOR AGREES THAT:

SPECIFICATIONS.

- A. THEY SHALL BE RESPONSIBLE TO CLEAN THE JOB SITE AT THE END OF EACH PHASE OF WORK.
- B. THEY SHALL BE RESPONSIBLE TO REMOVE AND DISPOSE OF ALL TRASH, SCRAP AND UNUSED MATERIAL OFF SITE AT THEIR OWN EXPENSE IN A TIMELY MANNER.
- C. THEY SHALL BE RESPONSIBLE TO MAINTAIN THE SITE IN A NEAT, SAFE AND ORDERLY MANNER AT ALL TIMES.
- D. THEY SHALL BE RESPONSIBLE TO KEEP MATERIALS, EQUIPMENT, AND TRASH OUT OF THE WAY OF OTHER CONTRACTORS SO AS NOT TO DELAY THE JOB. FAILURE TO DO SO WILL RESULT IN A DEDUCTION FOR THE COST OF CLEAN UP FROM THE FINAL PAYMENT.
- THEY SHALL BE RESPONSIBLE FOR THEIR OWN SAFETY, TRAFFIC CONTROL. PERMITS, RETESTING AND REINSPECTIONS AT THEIR OWN EXPENSE.

14) THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FÓR JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER. CONTRACTOR SHALL SECURE SITE WITH CONSTRUCTION *FENCING* 

15) DUST CONTROL SHALL BE PROVIDED AT ALL TIMES, AT THE CONTRACTOR'S EXPENSE, TO MINIMIZE ANY DUST NUISANCE AND SHALL BE IN ACCORDANCE WITH SECTION 01570 (APWA) AND THE REQUIREMENTS OF THE REGULATORY

16) FOR ALL WORK WITHIN PUBLIC RIGHT-OF-WAYS OR EASEMENTS, THE CONTRACTOR SHALL PRESERVE THE INTEGRITY AND LOCATION OF ANY AND ALL PUBLIC UTILITIES AND PROVIDE THE NECESSARY CONSTRUCTION TRAFFIC CONTROL. CONTRACTOR SHALL, THROUGH THE ENCROACHMENT PERMIT PROCESS, VERIFY WITH THE NECESSARY REGULATORY AGENCIES, THE NEED FOR ANY TRAFFIC ROUTING PLAN. IF PLAN IS REQUIRED, CONTRACTOR SHALL PROVIDE PLAN AND RECEIVE PROPER APPROVALS PRIOR TO BEGINNING CONSTRUCTION.

17) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY SCHEDULING INSPECTION AND TESTING OF ALL FACILITIES CONSTRUCTED UNDER THIS CONTRACT. ALL TESTING SHALL CONFORM TO THE REGULATORY AGENCY'S STANDARD SPECIFICATIONS. ALL TESTING AND INSPECTION SHALL BE PAID FOR BY THE OWNER; ALL RE-TESTING AND/OR RE- INSPECTION SHALL BE PAID FOR BY THE CONTRACTOR.

18) IF EXISTING IMPROVEMENTS NEED TO BE DISTURBED AND/OR REMOVED FOR THE PROPER PLACEMENT OF IMPROVEMENTS TO BE CONSTRUCTED BY THESE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING IMPROVEMENTS FROM DAMAGE. COST OF REPLACING OR REPAIRING EXISTING IMPROVEMENTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEMS REQUIRING REMOVAL AND/OR REPLACEMENT OF EXISTING IMPROVEMENTS. THERE WILL BE NO EXTRÁ COST DUE THE CONTRACTOR FOR REPLACING OR REPAIRING EXISTING IMPROVEMENTS.

19) WHENEVER EXISTING FACILITIES ARE REMOVED, DAMAGED, BROKEN, OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THESE PLANS OR SPECIFICATIONS, SAID FACILITIES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. AFTER PROPER BACKFILLING AND OR CONSTRUCTION. WITH MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL EXISTING FACILITIES. THE FINISHED PRODUCT SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER, THE ENGINEER, AND THE RESPECTIVE REGULATORY AGENCY.

20) THE CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF FULL-SIZE AS-BUILT RECORD DRAWINGS SHOWING THE FINAL LOCATION AND LAYOUT OF ALL STRUCTURES AND OTHER FACILITIES. AS-BUILT RECORD DRAWINGS SHALL REFLECT CHANGE ORDERS, ACCOM- MODATIONS, AND ADJUSTMENTS TO ALL IMPROVEMENTS CONSTRUCTED. WHERE NECESSARY, SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR. PRIOR TO ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL DELIVER TO THE ENGINEER, ONE SET OF NEATLY MARKED AS-BUILT RECORD DRAWINGS SHOWING THE INFORMATION REQUIRED ABOVE. AS-BUILT RECORD DRAWINGS SHALL BE REVIEWED AND THE COMPLETE AS-BUILT RECORD DRAWING SET SHALL BE CURRENT WITH ALL CHANGES AND DEVIATIONS REDLINED AS A PRECONDITION TO THE FINAL PROGRESS PAYMENT APPROVAL AND OR FINAL ACCEPTANCE.

21) WORK IN EASEMENT AND OR RIGHT-OF-WAY IS SUBJECT TO THE APPROVAL AND ACCEPTANCE OF THE REGULATORY AGENCY RESPONSIBLE FOR OPERATION AND/OR MAINTENANCE OF SAID EASEMENT AND/OR RIGHT-OF-WAY.

22) GENERAL NOTE: CONTRACTOR TO SUBMIT TRAFFIC CONTROL PLAN TO THE REGULATORY AGENCY PRIOR TO CONSTRUCTION FOR APPROVAL.

### CLEARING AND GRADING NOTES:

1) BENCHMARK: UTAH COUNTY *ELEVATION:* 4798.14

DATUM: UTAH COUNTY DESCRIPTION: MONUMENT LOCATED IN THE INTERSECTION OF ACADEMY STREET AND OREGON AVENUE

2) CONTRACTOR SHALL PERFORM EARTHWORK IN ACCORDANCE WITH DIVISION 2 OF THE AMERICAN PUBLIC WORKS ASSOCIATION STANDARD SPECIFICATIONS.

3) IF THE PROJECT REQUIRES ANY IMPORT OR EXPORT TO ACHIEVE A BALANCED SITE, A SEPARATE UNIT PRICE PER CUBIC YARD SHALL BE INCLUDED IN THE BID FOR SAID IMPORT OR EXPORT. ANY EXPORT MATERIAL SHALL BE STOCKPILED OR REMOVED FROM THE PROJECT SITE AS DIRECTED BY THE OWNER AND/OR ENGINEER.

4) SITE CONSTRUCTION AND GRADING SHALL BE AS OUTLINED IN THE GEOTECHNICAL REPORT PREPARED BY EARTHTEC TESTING & ENGINEERING, P.C. DATED MAY 18, 2006 AND AS OUTLINED BY THE APWA STANDARDS.

# UNDERGROUND UTILITIES.

THE INFORMATION SHOWN ON THE PLANS WITH REGARD TO THE EXISTING UTILITIES AND/OR IMPROVEMENTS, WAS DERIVED FROM FIELD INVESTIGATIONS AND/OR RECORD INFORMATION. THE ENGINEER DOES NOT GUARANTEE THESE LOCATIONS TO BE EITHER TRUE OR EXACT. PRIOR TO CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY ALL EXISTING IMPROVEMENTS AND TO EXPOSE ALL EXISTING UNDERGROUND UTILITIES RELATED TO THE PROJECT, INCLUDING BUT NOT LIMITED TO, SEWER, STORM DRAIN, WATER, IRRIGATION, GAS, ELECTRICAL, ETC. AND SHALL NOTIFY THE ENGINEER IN WRITING FORTY-EIGHT (48) HOURS IN ADVANCE OF EXPOSING THE UTILITIES, SO THAT THE EXACT LOCATION AND ELEVATION CAN BE VERIFIED AND DOCUMENTED. THE COST ASSOCIATED TO PERFORM THIS WORK SHALL BE INCLUDED IN EITHER THE LUMP SUM CLEARING COST OR IN THE VARIOUS ITEMS OF WORK. IF LOCATION AND/OR ELEVATION DIFFERS FROM THAT SHOWN ON THE DESIGN PLANS, PROVISIONS TO ACCOMMODATE NEW LOCATION/ELEVATION MUST BE MADE PRIOR TO CONSTRUCTION.

PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH UTILITY COMPANY LOCATE, IN THE FIELD, THEIR MAIN AND SERVICE LINES. THE CONTRACTOR SHALL NOTIFY BLUE STAKES AT 1-800-662-4111 48 HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK. THE CONTRACTOR SHALL RECORD THE BLUE STAKES ORDER NUMBER AND FURNISH ORDER NUMBER TO OWNER AND ENGINEER PRIOR TO ANY EXCAVATION. IT WILL BE THE CONTRACTORS SOLE RESPONSIBILITY TO DIRECTLY CONTACT ANY OTHER UTILITY COMPANIES THAT ARE NOT MEMBERS OF BLUE STAKES. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF THIS CONTRACT. ANY REPAIRS NECESSARY TO DAMAGED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW STRUCTURES. UTILITIES AND SERVICE TO THE PROJECT.

3) THE CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING, SLOPING OR OTHER PROVISIONS NECESSARY TO PROTECT WORKMEN FOR ALL AREAS TO BE EXCAVATED TO A DEPTH OF 4' OR MORE. FOR EXCAVATIONS 4 FEET OR MORE IN DEPTH. THE CONTRACTOR SHALL COMPLY WITH INDUSTRIAL COMMISSION OF UTAH SAFETY ORDERS SECTION 68 — EXCAVATIONS, AND SECTION 69 — TRENCHES, ALONG WITH ANY LOCAL CODES OR ORDINANCES.

4) PRIOR TO OPENING AN EXCAVATION, EFFORT SHALL BE MADE TO DETERMINE WHETHER UNDERGROUND INSTALLATIONS; I.E. SEWER, WATER, FUEL, ELECTRIC LINES, ETC., WILL BE ENCOUNTERED AND IF SO, WHERE SUCH UNDERGROUND INSTALLATIONS ARE LOCATED. WHEN THE EXCAVATION APPROACHES THE APPROXIMATE LOCATION OF SUCH AN INSTALLATION, THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR HAND DIGGING; AND, WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE EXISTING INSTALLATION. ALL KNOWN OWNERS OF UNDERGROUND FACILITIES IN THE AREA CONCERNED SHALL BE ADVISED OF PROPOSED WORK AT LEAST 48 HOURS PRIOR TO THE START OF ACTUAL EXCAVATION.

THE CONTRACTOR WILL VERIFY DEPTHS OF ALL UTILITIES IN THE FIELD BY POT HOLING A MINIMUM OF 300 FEET AHEAD OF PIPELINE CONSTRUCTION TO AVOID CONFLICTS WITH DESIGNED PIPELINE GRADE AND ALIGNMENT. IF A CONFLICT ARISES RESULTING FROM THE CONTRACTOR NEGLECTING TO POT HOLE UTILITIES THE CONTRACTOR WILL BE REQUIRED TO RESOLVE THE CONFLICT WITHOUT ADDITIONAL COST OR CLAIM TO THE OWNER.

5) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL PIPE OF ADEQUATE CLASSIFICATION WITH SUFFICIENT BEDDING TO MEET ALL REQUIREMENTS AND RECOMMENDATIONS OF WEST JORDAN CITY FOR H-20 LOAD REQUIREMENTS.

6) THE CONTRACTOR SHALL NOTIFY NOLTE ASSOCIATES, INC. IN WRITING AT LEAST 48 HOURS PRIOR TO BACKFILLING OF ANY PIPE WHICH STUBS TO A FUTURE PHASE OF CONSTRUCTION FOR INVERT VERIFICATION. TOLERANCE SHALL BE IN ACCORDANCE WITH THE REGULATORY AGENCY STANDARD SPECIFICATIONS.

7) ALL UNDERGROUND UTILITIES SHALL BE IN PLACE PRIOR TO INSTALLATION OF CURB, GUTTER. SIDEWALK AND STREET PAVING.

#### SURFACE IMPROVEMENTS

1) ALL MANHOLE RIMS, LAMPHOLES, VALVES AND MONUMENT BOXES, ETC. SHALL BE ADJUSTED TO FINISHED GRADE & COLLARED AFTER STREET PAVING, UNLESS OTHERWISE NOTED. COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR SAID FACILITIES.

2) PAYMENT FOR PAVEMENT WILL BE MADE ONLY FOR AREAS SHOWN ON PLANS. REPLACEMENT OF PAVEMENT WHICH IS BROKEN OR CUT DURING THE INSTALLATION OF THE WORK COVERED BY THESE SPECIFICATIONS, AND WHICH LIES OUTSIDE OF SAID AREAS. SHALL BE INCLUDED IN THE CONTRACTOR'S UNIT PRICE FOR PAVEMENT, AND NO ADDITIONAL PAYMENT SHALL BE MADE FOR SUCH WORK.

3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL STRIPING AND/OR PAVEMENT MARKINGS NECESSARY TO TIE EXISTING STRIPING INTO FUTURE STRIPING. METHOD OF REMOVAL SHALL BE BY GRINDING OR SANDBLASTING.

SECTIONS 01555 AND 02765 AND THE LATEST EDITION OF THE MUTCD

4) STRIPING AND PAVEMENT MARKINGS SHALL BE IN CONFORMANCE WITH APWA

#### ROADWAY MATERIALS:

ROADWAY MATERIALS SPECIFICATIONS AND CONSTRUCTION REQUIREMENTS SHALL BE AS OUTLINED IN THE GEOTECHNICAL REPORT PREPARED BY EARTHTEC TESTING & ENGINEERING. P.C. DATED MAY 18. 2006 AND AS OUTLINED BY THE APWA STANDARDS.

#### **ABBREVIATION**

APWA	AMERICAN PUBLIC WORKS ASSOC.	MIN	MINIMUM
AC	ASPHALTIC CONCRETE	Ν	NORTH
&	AND	NIC	NOT IN CONTRACT
APPR.	APPROXIMATELY	NTS	NOT TO SCALE
ARV	AIR RELEASE VALVE	0.C.	ON CENTER
<b>@</b>	AT	OH	OVERHEAD
<i>BDRY</i>	BOUNDARY	PC	POINT OF CURVATURE
BVC	BEGIN VERTICAL CURVE	P.E.	REGISTERED PROFESSIONAL ENGINEER
BRG	BEARING	PI	POINT OF INTERSECTION
BW	BOTTOM OF WALL	PL	PROPERTY LINE
CB	CATCH BASIN	POC	POINT ON CURVE
CL OR $\varphi$	CENTERLINE	PP	POWER POLE
CMP	CORRUGATED METAL PIPE	PRC	POINT OF REVERSE CURVE
C.O.B.	CLEANOUT BOX	PRV	PRESSURE REDUCING VALVE
CONC	CONCRETE	PSI	POUNDS PER SQUARE INCH
DET	DETAIL	PT	POINT OF TANGENT
DIA	DIAMETER	PVC	POLYVINYL CHLORIDE
DIP	DUCTILE IRON PIPE	PUD	PUBLIC UTILITY & DRAINAGE EASEMENT
DIST	DISTRICT	PUE	PUBLIC UTILITY EASEMENT
DWG	DRAWING	PVI	POINT OF VERTICAL INTERSECTION
EA	EACH	PVT	POINT OF VERTICAL TANGENT
EG	EXISTING GRADE	R	RADIUS
EP	EDGE OF PAVEMENT	RCP	REINFORCED CONCRETE PIPE
<i>EVC</i>	END OF VERTICAL CURVE	REF	REFERENCE
ELEV	ELEVATION	R.O.W.	RIGHT-OF-WAY
ESMT	EASEMENT	SS	SANITARY SEWER
EXIST.	EXISTING	SD	STORM DRAIN
EXP.	EXPIRATION	SW	SIDEWALK
FF	FINISH FLOOR	SCH	SCHEDULE
FH	FIRE HYDRANT	SEC.	SECTION
FIN	FINISH	S.F.	SQUARE FEET
FL	FLOWLINE	SHT	SHEET
FT	FEET	STA	STATION
GB	GRADE BREAK	STD	STANDARD
HP	HIGH POINT	TBC	TOP BACK OF CURB
HORIZ	HORIZONTAL	TEMP	TEMPORARY
HYD	HYDRANT	THRU	THROUGH
ID	INSIDE DIAMETER	TG	TOP OF GRATE
I.E.	INVERT ELEVATION	TW	TOP OF WALL
IRR	IRRIGATION	TYP	TYPICAL
L	LENGTH	VAR	VARIES
L.F.	LINEAR FEET	VERT	VERTICAL
LP	LOW POINT	WATER	WATER
MAX	MAXIMUM	W/	WITH
MH	MANHOLE	WS	WATER SURFACE

# LEGEND:

	= PROPOSED P.U.D.
	- PROPOSED FILL LINE
	- PROPOSED CUT LINE
	PROPOSED SIDEWALK
[48.50 a ft ]	
<u> </u>	= PROPOSED CURB & GUTTER
	- PROPOSED LOT LINE
	► PROPOSED PROPERTY LINE
<del></del>	- PROPOSED CENTERLINE
	- PROPOSED RIGHT-OF-WAY LINE
	- PROPOSED WHITE VINYL FENCE
8"W	- PROPOSED WATER LINE
24"IRR	- PROPOSED IRRIGATION LINE
ss	- PROPOSED SEWER LINE
\$	PROPOSED SEWER M.H.
<b>₩</b>	
×	PROPOSED WATER VALVE
	PROPOSED FIRE HYDRANT
<b>\$</b>	PROPOSED STREET LIGHT
(K-A)	SEWER M.H. TAG
	PROPOSED CATCH BASIN
•	PROPOSED CLEANOUT/IRRIGATION BOX
	PROPOSED COMBO. BOX
——— 15"SD ———	- PROPOSED 15" STORM DRAIN LINE
18"SD	- PROPOSED 18" STORM DRAIN LINE
	- PROPOSED 24" STORM DRAIN LINE
<u>⟨K−31</u> ⟩	STORM DRAIN BOX TAG
***	PROPOSED STREET LIGHT
<b>~</b>	EXIST. SECTION MONUMENT
	EXIST. CURB & GUTTER
	- EXIST. LOT LINE
	= EXIST. PROPERTY LINE
<del>4800</del>	- EXIST. CONTOUR LINE
	- EXIST. CENTERLINE
	- EXIST. RIGHT-OF-WAY LINE
~	EXIST. FIRE HYDRANT
M	EXIST. WATER VALVE
w	- EXIST. WATER LINE
8"W	- EXIST. 8" WATER LINE
18''IRR	- EXIST. IRRIGATION LINE
<b>\$</b>	EXIST. STREET LIGHT
	EXIST. IRRIGATION BOX
WM	EXIST. WATER METER
<u> </u>	EXIST. SEWER M.H.
<u></u>	- EXIST. SEWER LINE
	EXIST. CATCH BASIN
0	EXIST. CLEANOUT BOX
_	EXIST. COMBO. BOX
	- EXIST. STORM DRAIN LINE
	- EAIST. STURM DRAIN LINE

State of Utah Department of Administrative Services



Division of Facilities Construction & Management

4110 State Office Building Salt Lake City, Utah 84114 Phone: (801) 538 - 3018 Fax: (801) 538 - 3267

Internet: http://www.dfcm.state.ut.us



Utah National Guard

12953 South Minuteman Drive Draper, Utah 84020-1726



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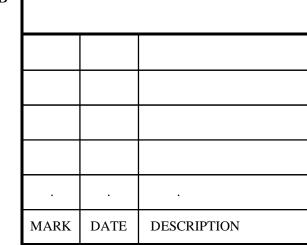
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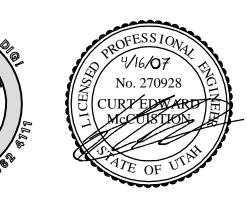
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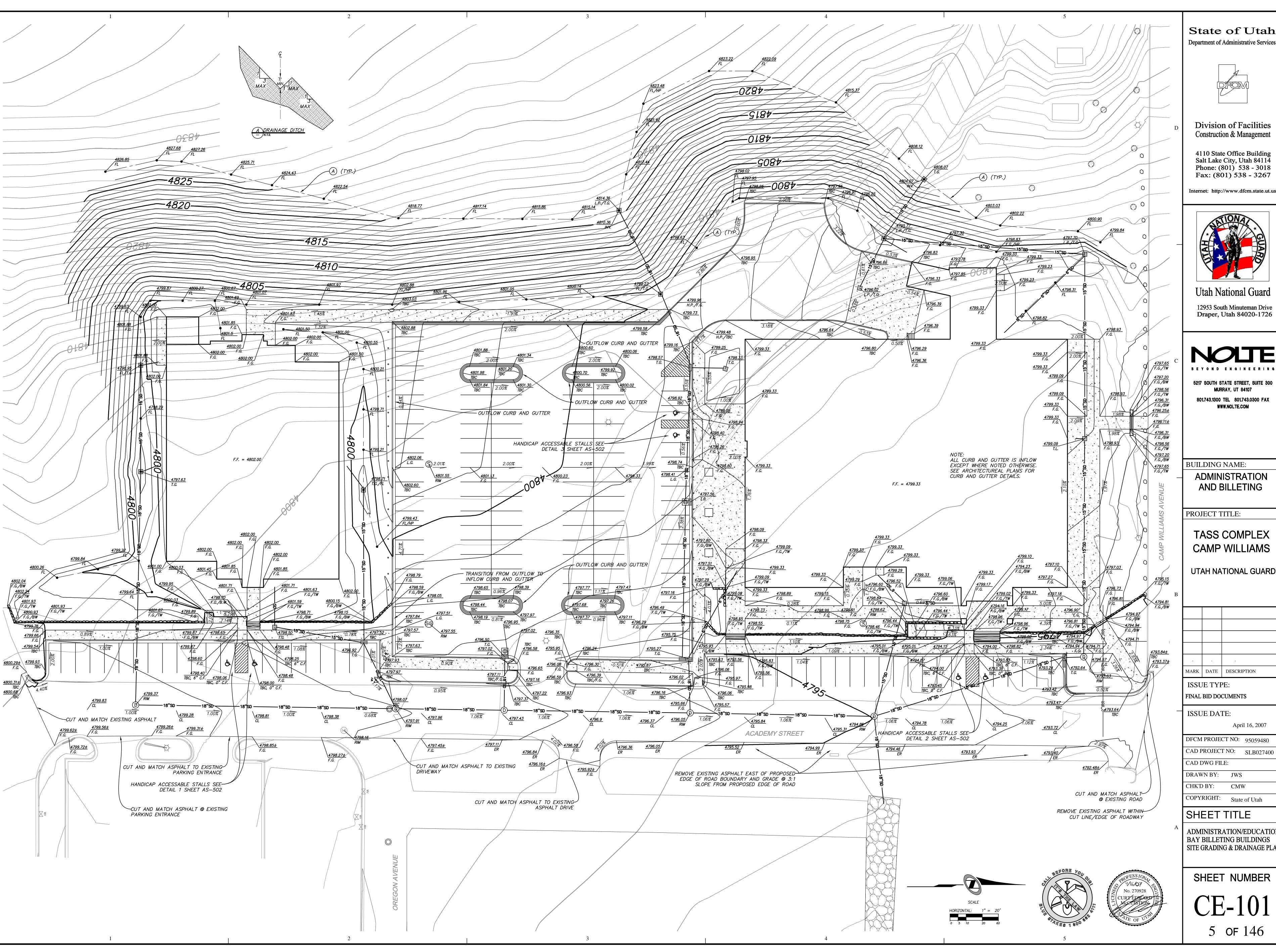
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ADMINISTRATION/EDUCATION BAY BILLETING BUILDINGS GENERAL CIVIL NOTES

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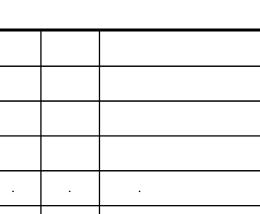
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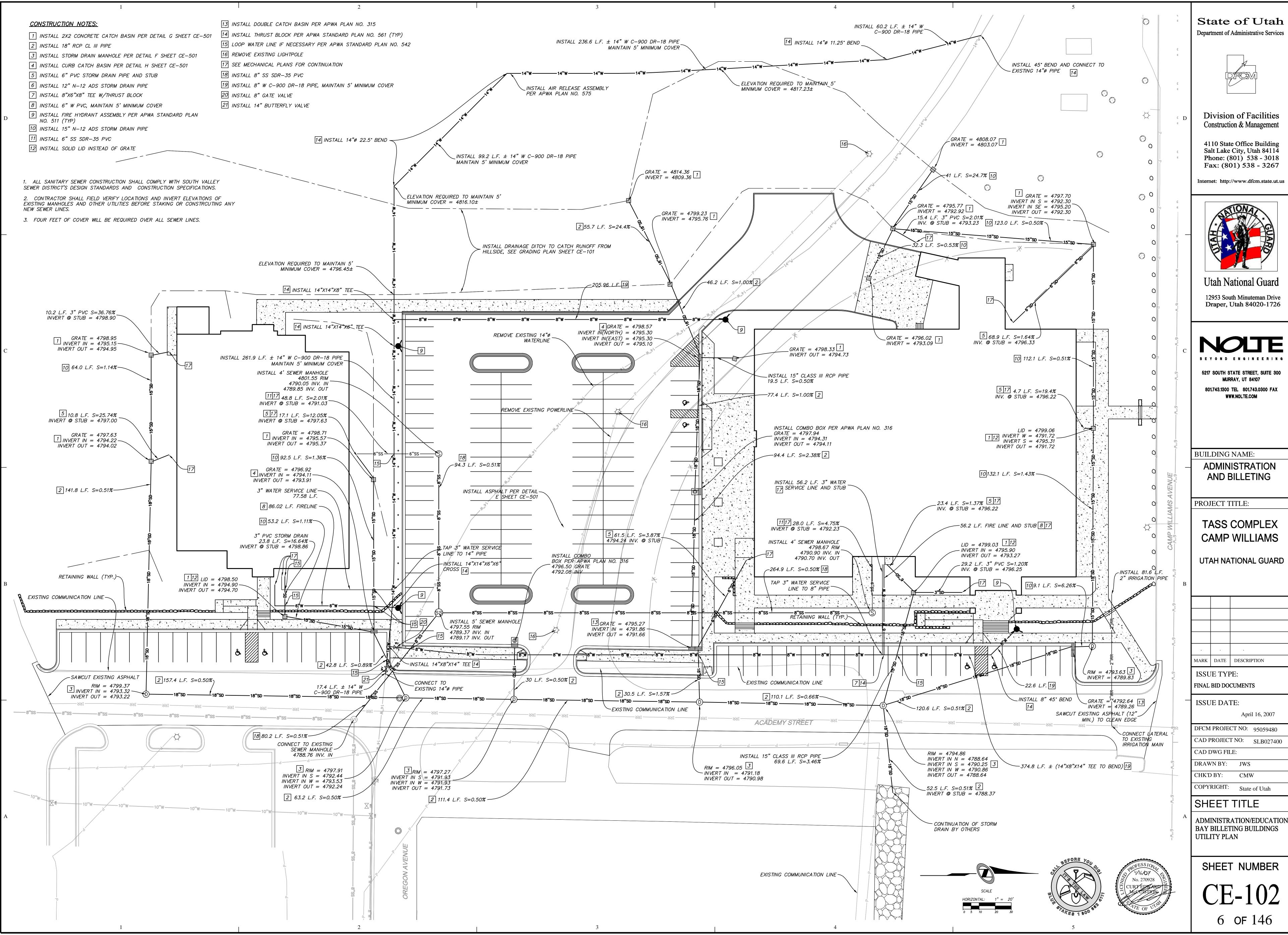
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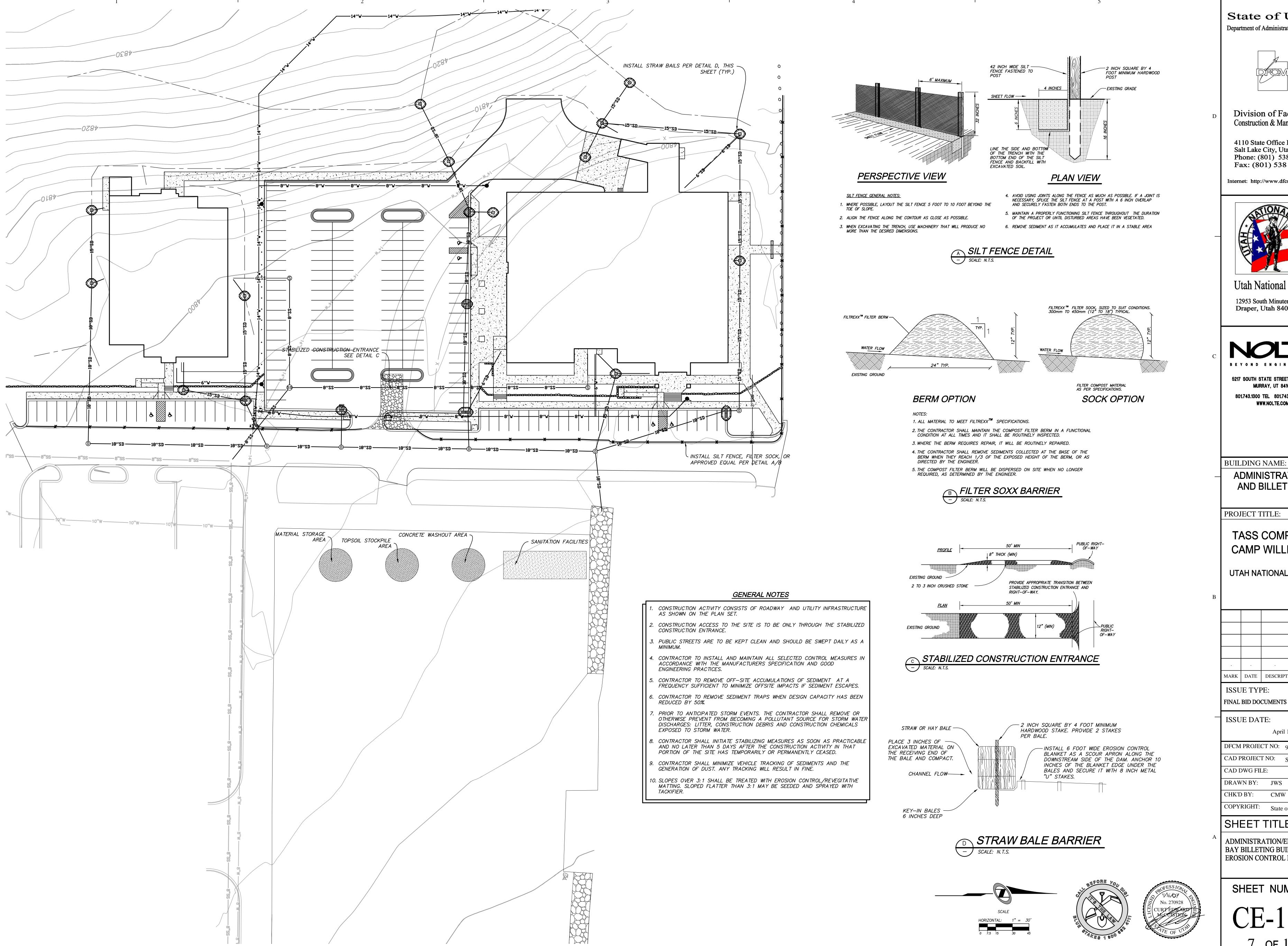
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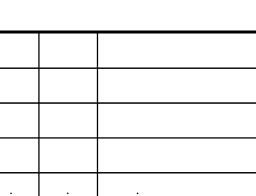
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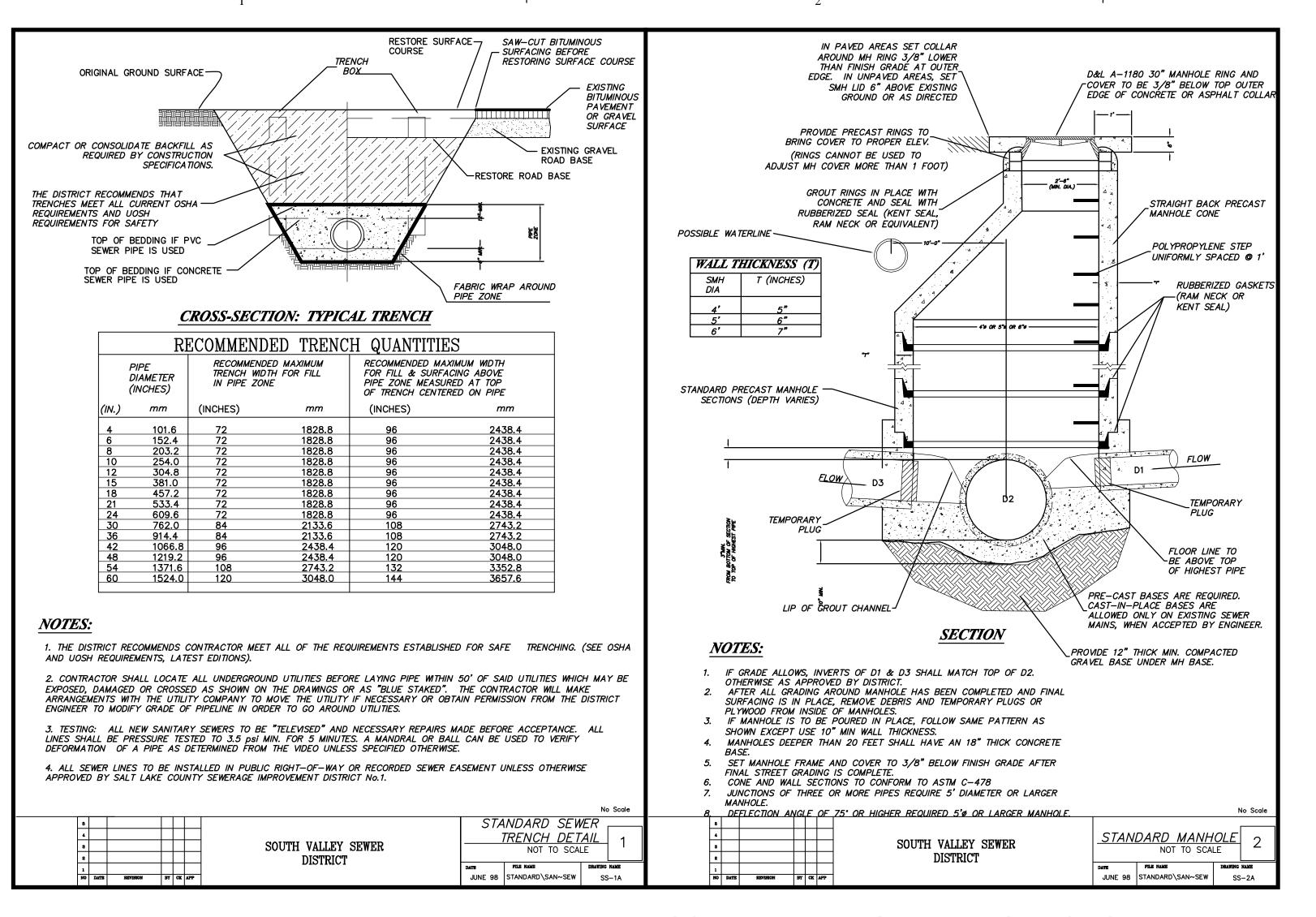
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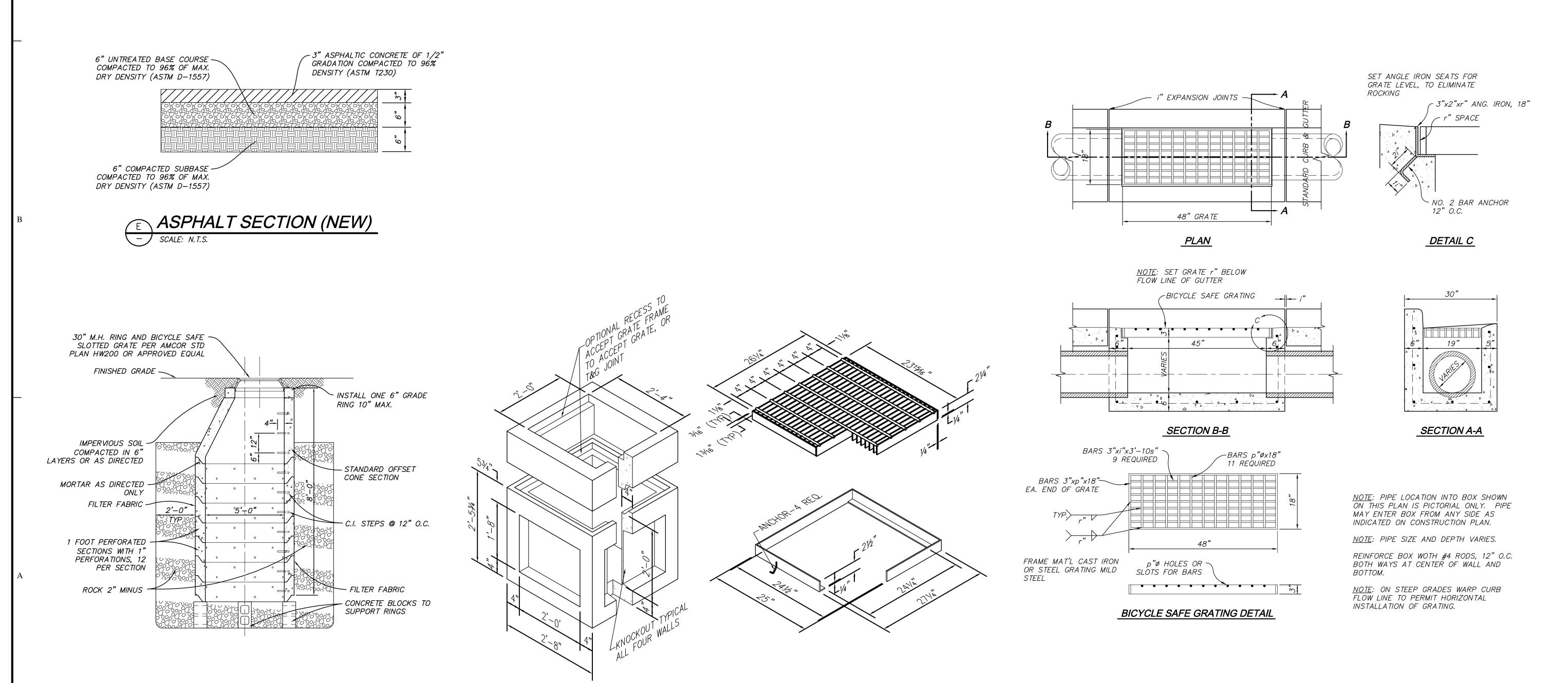


STORM DRAIN MANHOLE DETAIL

√ − ∫ SCALE: N.T.S.

SOUTH VALLEY SEWER DISTRICT STANDARD DETAILS

1. SEE PLANS FOR PIPE SIZES 2. INSTALL SEWER WARNING TAPE 2'-3' ABOVE PIPE



2x2 CONCRETE CATCH BASIN

SCALE: N.T.S.

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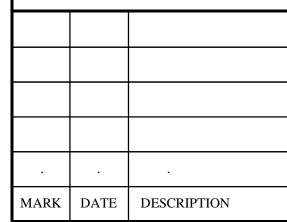
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PROJECT TITLE:

TASS COMPLEX CAMP WILLIAMS

**UTAH NATIONAL GUARD** 



ISSUE TYPE:

FINAL BID DOCUMENTS

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April 16, 2007

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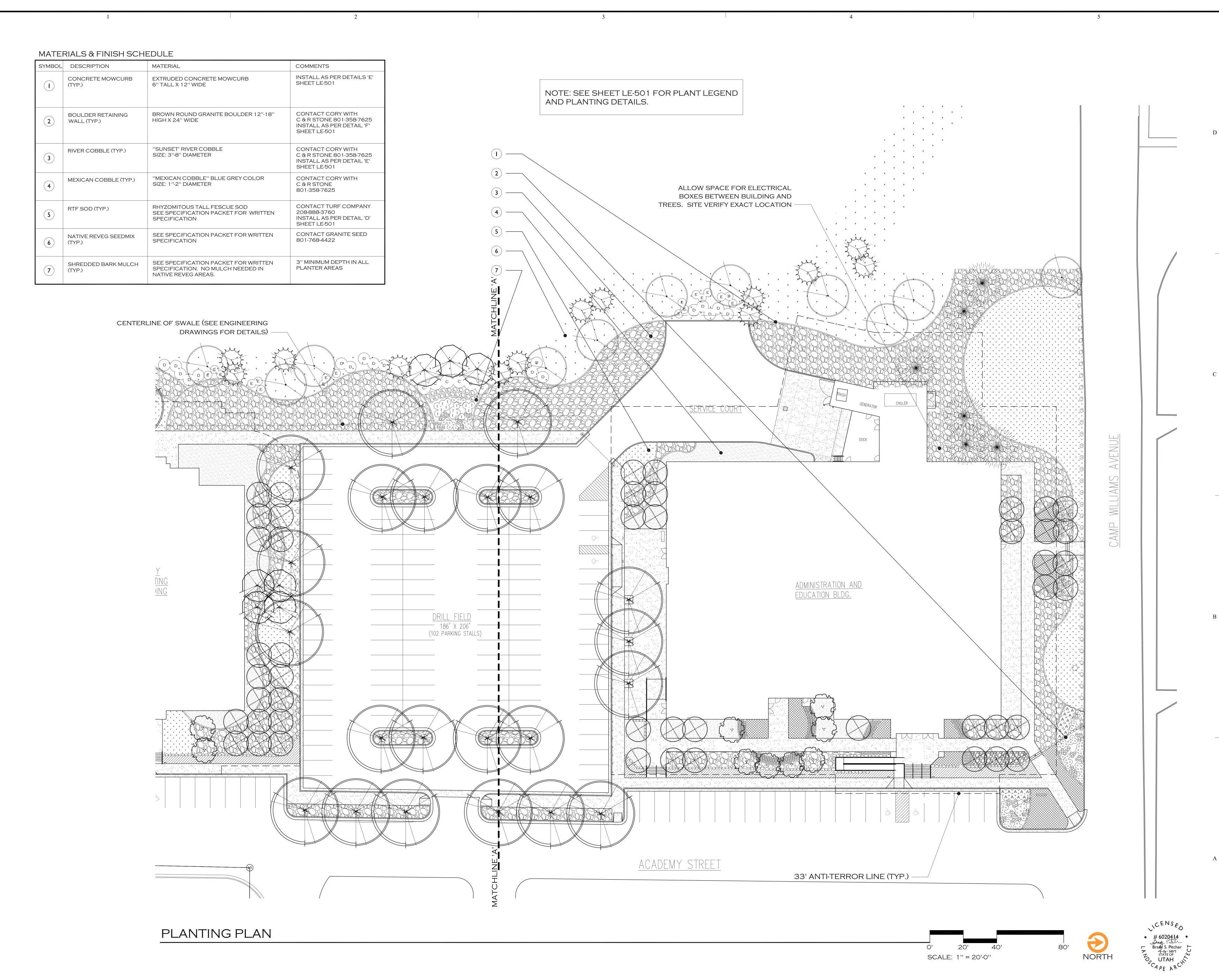
ADMINISTRATION/EDUCATION **BAY BILLETING BUILDINGS** SITE DETAILS

SHEET NUMBER

CE-501

8 OF 146

STANDARD CURB TYPE CATCH BASIN SCALE: N.T.S.



Division of Facilities Construction & Management

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Internet: http://www.dfcm.state.ut.us



Utah National Guard 12953 South Minuteman Drive Draper, Utah 84020-1726

DESIGN GROUP

landscape architecture & land planning

I2 W I00 N Suite 202B American Fork, UT 84003 801/763-0179 office 801/763-0180 fax info@northland-design.com

BUILDING NAME:

Administration & Billeting

PROJECT TITLE:

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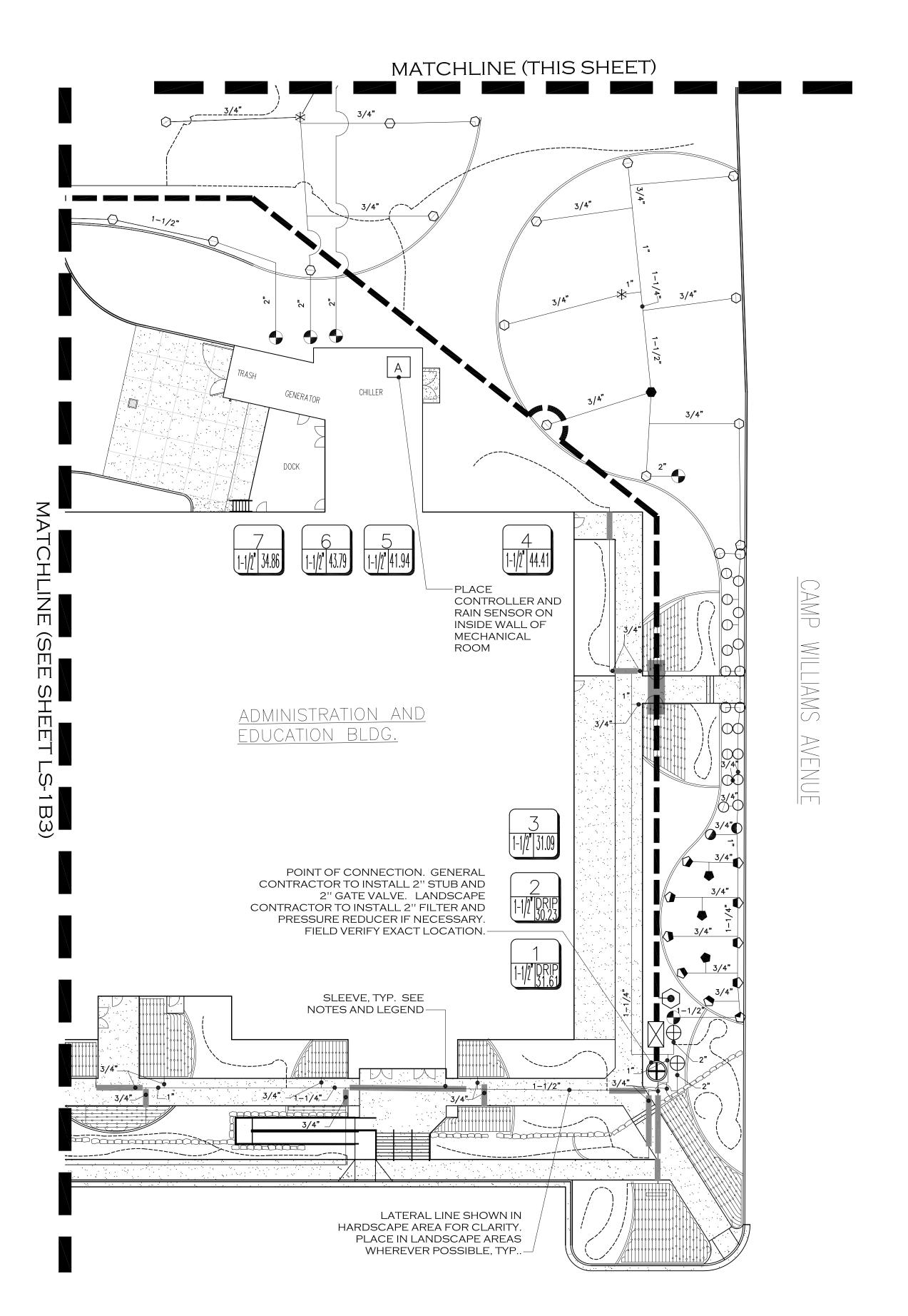
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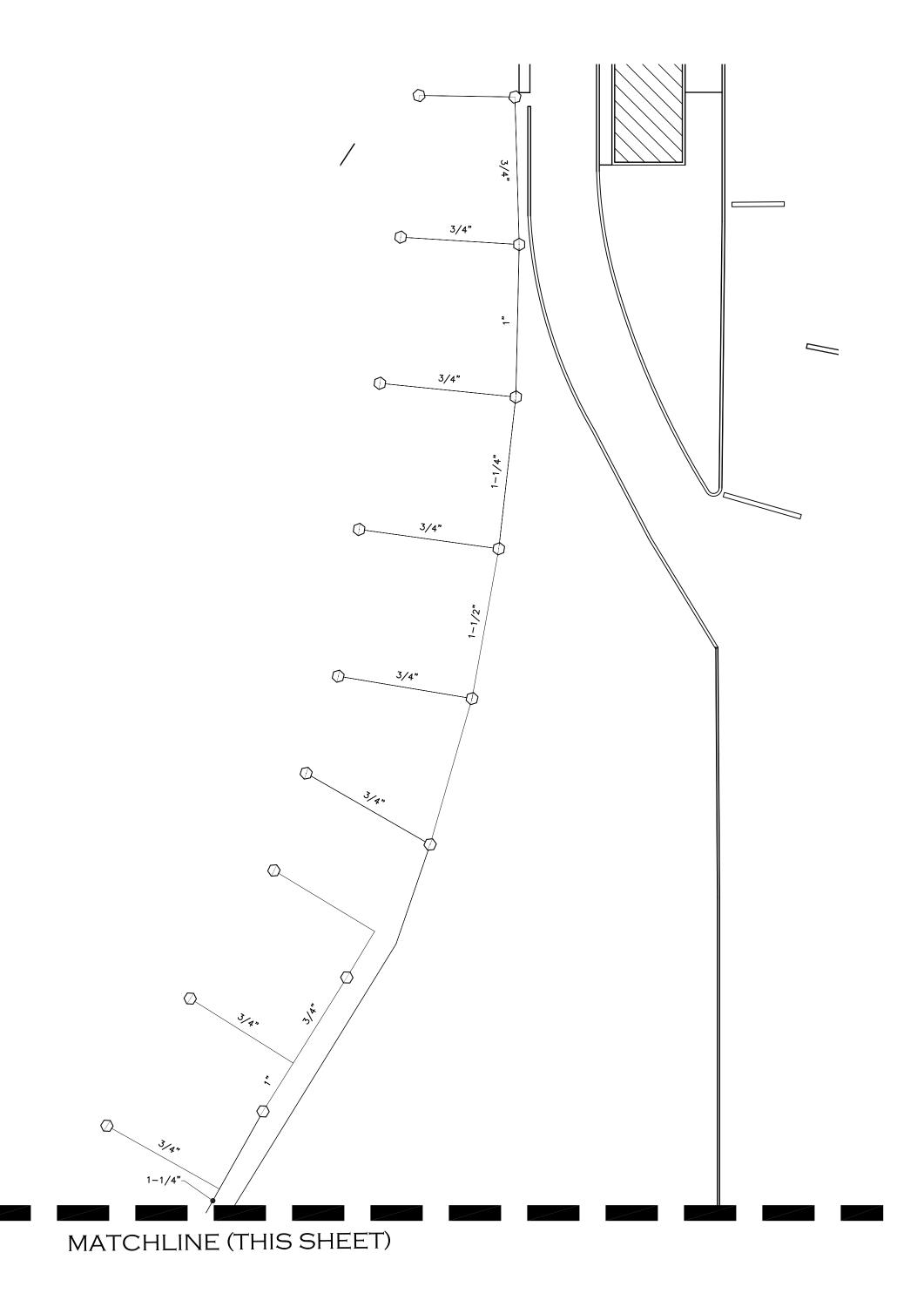
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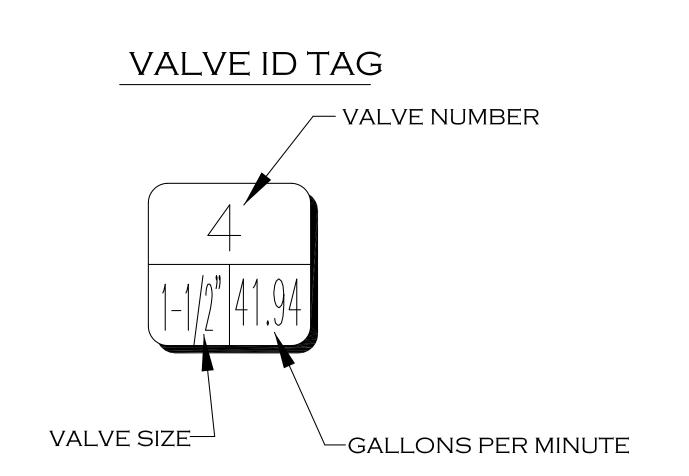
PLANTING PLAN

SHEET NUMBER





SYMBOL	DESCRIPTION IRRIGATION LEGEND	REMARKS
	RAINBIRD 1804-PRS-SAM POP-UP SPRAY WITH 8Q AND 8H NOZZLES @ 30 PSI W/NP COVER	KEEP 2" AWAY FROM HARDSCAPE
	RAINBIRD 1804-PRS-SAM POP-UP SPRAY WITH 10Q, 10T 10H AND 10F NOZZLES @ 30 PSI W/NP COVER	KEEP 2" AWAY FROM HARDSCAPE
	RAINBIRD 1804-PRS-SAM POP-UP SPRAY WITH 12Q, 12H, 12TQ AND 12F NOZZLES @ 30 PSI W/NP COVER	KEEP 2" AWAY FROM HARDSCAPE
	RAINBIRD 1804-PRS-SAM POP-UP SPRAY WITH 15Q AND 15H NOZZLES @ 30 PSI W/NP COVER	KEEP 2" AWAY FROM HARDSCAPE
	RAINBIRD 1804-PRS-SAM POP-UP SPRAY WITH R13-18 Q, T, H, TT, AND F ROTARY NOZZLES @ 45 PSI W/NP COVER	KEEP 2" AWAY FROM HARDSCAPE
	RAINBIRD 5000-MPR-30 ROTOR WITH F NOZZLES @ 45 PSI W/NP COVER	KEEP 2" AWAY FROM HARDSCAPE
$\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$	RAINBIRD 5000-MPR-35 ROTOR WITH Q, T, H AND F NOZZLES @ 45 PSI W/NP COVER	KEEP 2" AWAY FROM HARDSCAPE
$\bigoplus$	RAINBIRD XCZ-150-COM OR XCZ-100-B-COM CONTROL ZONE KIT (SIZE AS NOTED ON PLAN)	INSTALL IN RAINBIRD STD. VALVE BOX
	RAINBIRD PESB-PRS-D AUTOMATIC CONTROL VALVE (SIZE AS NOTED ON PLAN)	INSTALL IN RAINBIRD STD. VALVE BOX
•	1'' RAINBIRD QUICK COUPLER VALVE, MODEL #44NP	INSTALL IN RAINBIRD 10" ROUND VALVE BOX
А	RAINBIRD ESP-24LX PLUS OUTDOOR CONTROLLER	CONNECT TO POWER AND VALVES
	SCHEDULE 40 PVC LATERAL LINE (SIZE AS NOTED ON PLAN)	REFERENCE IRRIGATION DETAILS
	2" SCHEDULE PVC 40 MAIN LINE (UNLESS OTHERWISE NOTED)	REFERENCE IRRIGATION DETAILS
	CLASS 200 SLEEVE (SIZE TO BE A MIN. OF TWICE THE DIAMETER OF THE LATERAL.)	COORDINATE W/CONCRETE & ASPHALT
-0	RAINBIRD LD-P-09-12-100 LANDSCAPE DRIPLINE	COORDINATE W/CONCRETE & ASPHALT
	RAINBIRD XBS BLACK STRIPE TUBING	REFERENCE IRRIGATION DETAILS
NOT SHOWN	14 GAUGE CONTROL WIRE (SOLID COPPER, SINGLE STRAND)	ROUTE WITH MAINLINE/REFERENCE DETAILS
	POINT OF CONNECTION	SEE PLAN
	2" AMIAD DISC FILTER	REFERENCE IRRIGATION DETAILS



IRRIGATION PLAN

1" = 20'-0"



Division of Facilities

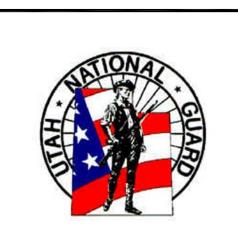
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northland DESIGN GROUP

landscape architecture & land planning

12 W 100 N Suite 202B American Fork, UT 84003 801/763-0179 office 801/763-0180 fax info@northland-design.com

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TASS COMPLEX CAMP WILLIAMS

Administration

UTAH NATIONAL GUARD

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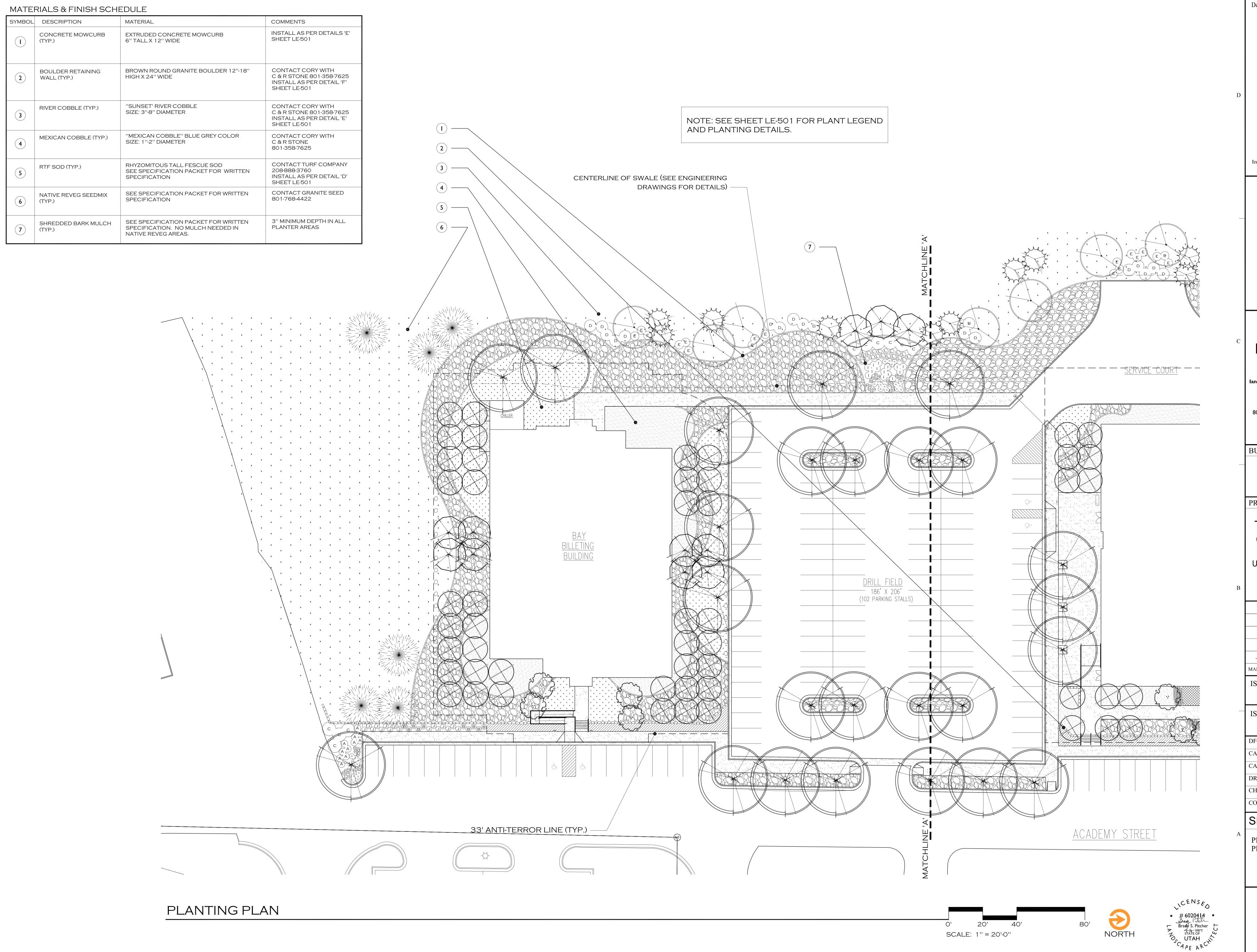
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IRRIGATION PLAN

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Draper, Utah 84020-1726

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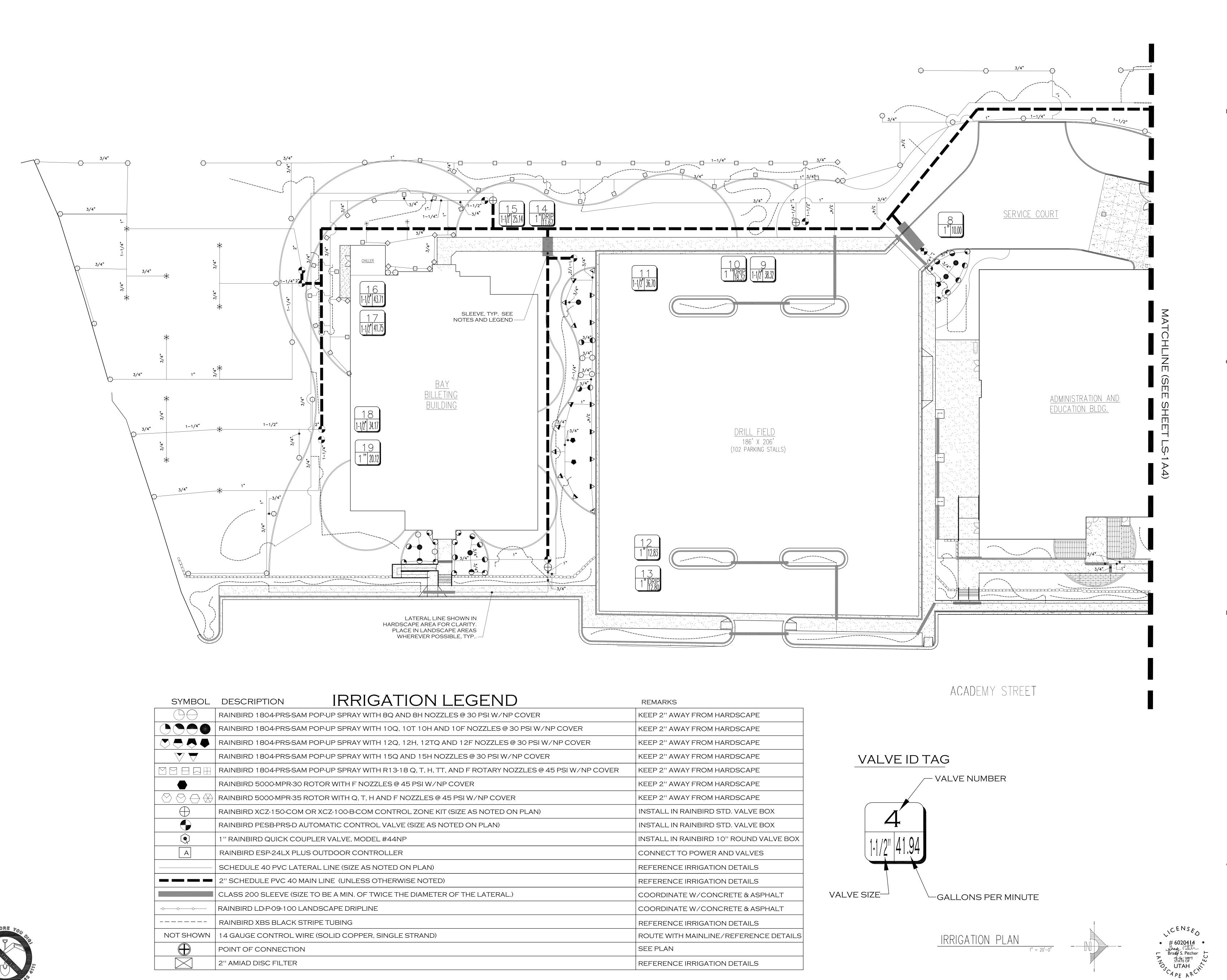
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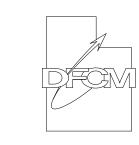
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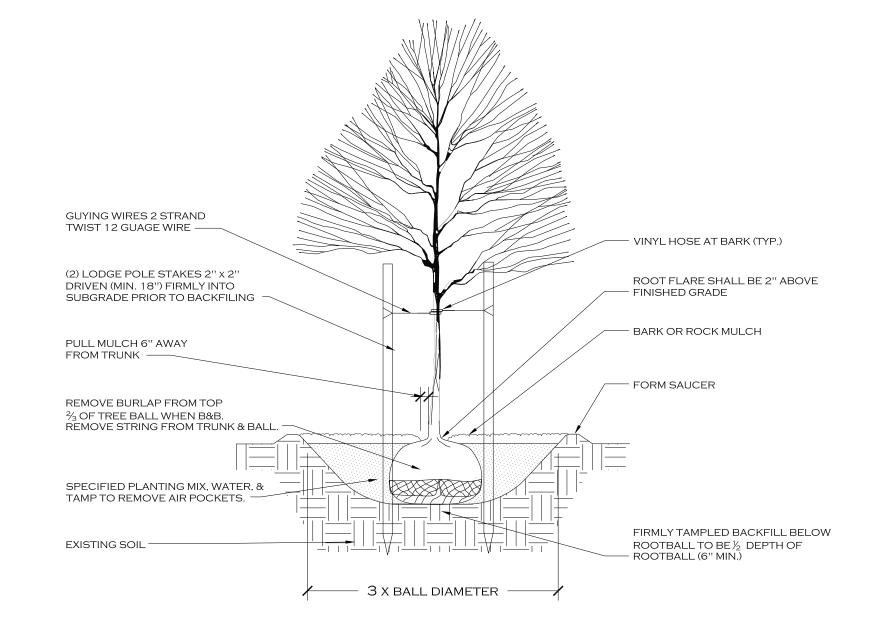
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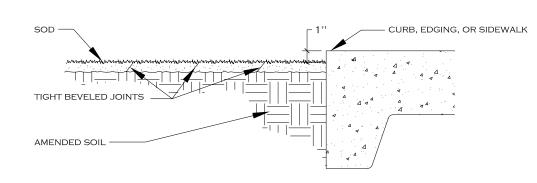
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IRRIGATION PLAN

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# SOD INSTALLATION SCALE: NTS

# TREE PLANTING AND GUYING SCALE: NTS

- 2" DIA LODGE POLE PINE TREE

STAKE (2 EACH) STAKES SHALL NOT PENETRATE ROOTBALL.

- VINYL HOSE AT BARK (TYP.)

SHALL BE TOTALLY REMOVED.

INSTALL TREE WITH BUD UNION AT 2" ABOVE FINISHED GRADE

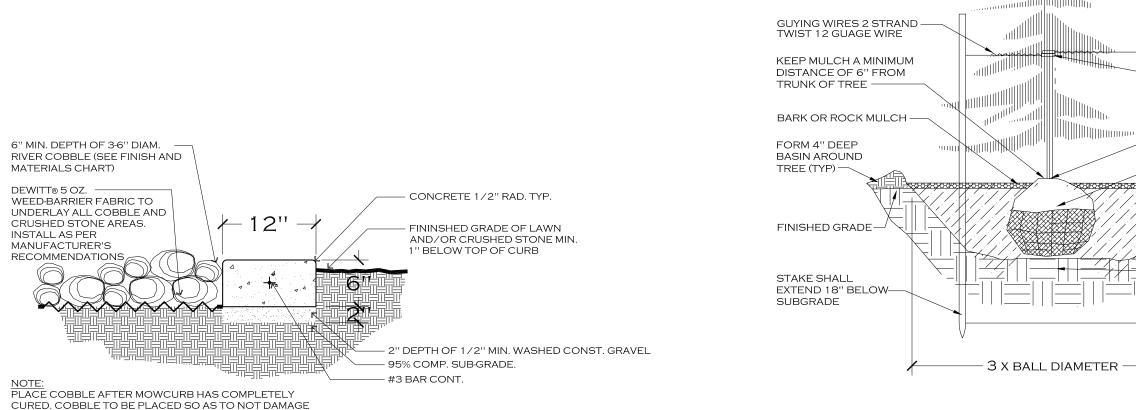
BACKFILL TO BE OF QUALITY TOPSOIL

- FIRMLY TAMPLED BACKFILL BELOW

ROOTBALL TO BE  $\frac{1}{2}$  DEPTH OF ROOTBALL (6" MIN.)

- SCARIFY ROOTBALL REMOVE TOP

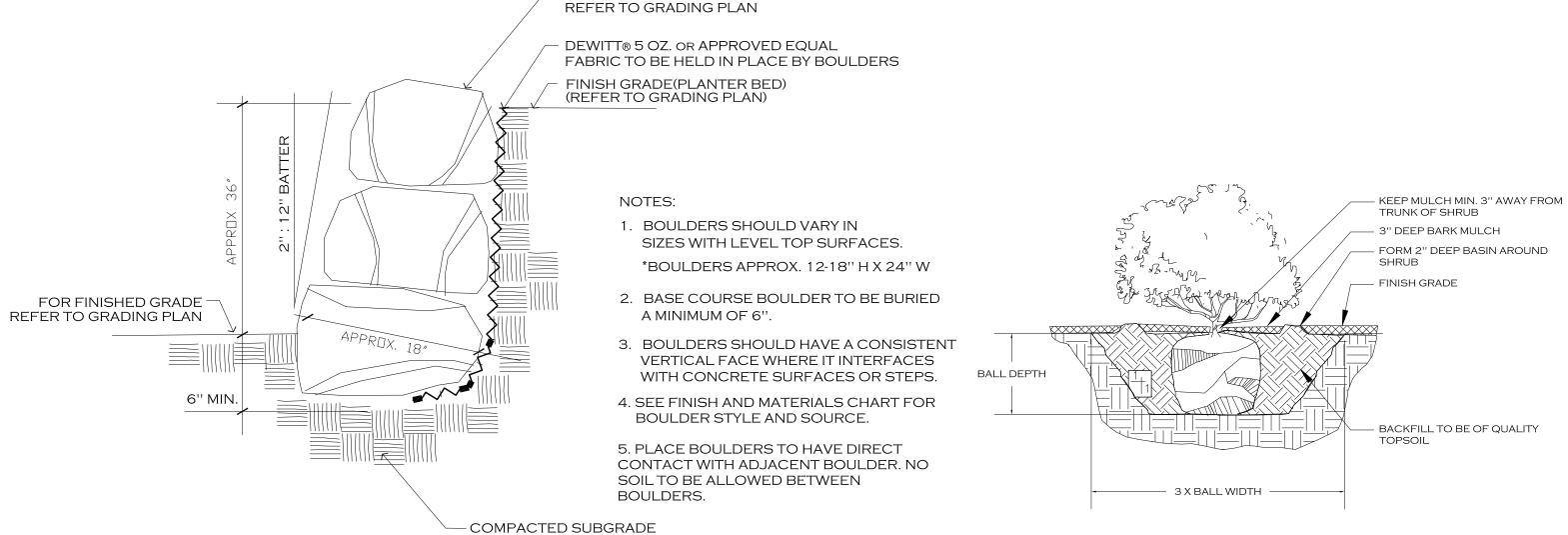
1/3 OF BURLAP AND WIRE CAGE.



- FOR TOP WALL ELEVATIONS

# CONCRETE CURB INSTALLATION SCALE: NTS









# PLANT LEGEND

DECI	DUOUS TREES		
	BOTANICAL/COMMON NAME	QTY.	SIZE/COMMENTS
	CELTIS OCCIDENTALIS COMMON HACKBERRY	0	2" CAL.
	GLEDITSIA TRIACANTHOS 'SHADEMASTER' SHADMASTER HONEYLOCUST	0	2" CAL.
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Malus 'Mary Potter' Mary Potter Crabapple	0	1-1/2" CAL.
·	Prunus virginiana 'Canada Red' Canada Red Chokecherry	0	2'' CAL.
	Pyrus calleryana 'Chanticleer' Chanticleer Flowering Pear	0	2" CAL.
EVER	GREEN TREES		
	BOTANICAL/COMMON NAME	QTY.	SIZE/COMMENTS
m m	PINUS EDULIS PINYON PINE	0	4-5'
	PINUS NIGRA AUSTRIAN PIN	0	6-7'
DECII	DOUS AND EVERGREEN SHRUBS		
	BOTANICAL NAME/COMMON NAME	QTY	SIZE/COMMENTS
	Caryopteris x clandonensis 'Dark Knight' Dark Knight Spirea	0	5-Gal
B	Cornus sericea 'Kelseyi' Kelsey's Dogwood	0	5-GAL
C	Prunus cistena	0	5-Gal
D	CISTENA PLUM  RHUS AROMATICA 'GROW LOW'	0	5-GAL
E	GROW LOW SUMAC  RIBES ALPINUM  ALPINE CURRENT	0	5-GAL
PERE	NNIALS		
<u>·</u>	BOTANICAL NAME/COMMON NAME	QTY	SIZE/COMMENTS
	ASTER FRIKARTII 'MONCH'	0	1-GAL
(G)	MONCH FRIKARTI ASTER  HEMEROCALLIS 'STELLA DE ORO'  STELLA DE ORO DAYLILY	0	1-Gal
$_{oxtlet}$	LEUCANTHEMUM SUPERBUM MAXIMUM 'SNOW CAP'	0	1-GAL
	Snow Cap Shasta Daisy Perovskia atriplicifolia	0	1-Gal
(J)	RUSSIAN SAGE  ROSA MEIDILAND 'RED'	0	1-Gal
(K)	RED MEIDILAND ROSE  RUDBECKIA FULGIDA 'GOLDSTURM''  GOLDSTURM BLACK EYED SUSAN	0	1-Gal
ODNIA	MENTAL/NATIVE GRASSES		
ORNA		OTV	SIZE/COMMENTS
	BOTANICAL NAME/COMMON NAME  CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	0	1-GAL
<b>∑</b>	KARL FOERSTER GRASS  FESTUCA OVINA GLAUCA 'ELIJAH BLUE'  FILIAH BLUE FESCUE	0	1-GAL
CDOII	ELIJAH BLUE FESCUE  NDCOVER TO BE SELECTED FROM		
GITOU	BOTANICAL NAME/COMMON NAME	OTV	SIZE/COMMENTS
	THE STATE OF THE S	( )TV	CIVE // / NAMERITO

50% Lysimachia nummalarria - Creeping Jenny PER PLAN Flats/36

PLANTED 12" O.C.

50% SEDUM SPURIUM 'DRAGONS BLOOD' - SEDUM

PLANTINGS OF MIXED SPECIES.

NOTE: GROUNCOVER TO BE PLANTED IN MASSINGS

OF THE SAME SPECIES RATHER THAN SPORADIC

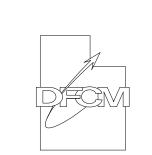
# GENERAL NOTES

- LANDSCAPE CONTRACTOR SHALL BE WILLING TO WORK WITH NORTHLAND DESIGN IF CHANGES TO THE PLANT PALETTE ARE NECESSARY TO ACHIEVE DESIRED CHARACTER. CHANGES WILL BE IN SPECIES ONLY NOT IN SIZE.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING RECORDS OF QUANTITIES OF PLANT MATERIAL USED. PROVIDE SUBMITTAL TO NORTHLAND DESIGN AND OWNER.
- PLANTING AREAS TO RECEIVE 3" DEPTH OF SHREDDED BARK MULCH IN DESIGNATED PLANTERS. ALL GROUNDCOVER AND PERENNIAL AREAS SHALL RECEIVE 1" DEPTH OF SHREDDED BARK MULCH. CONTRACTOR SHALL SUBMIT SAMPLE AND/OR SUBSTITUTIONS TO NORTHLAND DESIGN FOR APPROVAL.
- CONTRACTOR SHALL VERIFY ALL QUANTITIES ON THIS PLAN. NORTHLAND
   DESIGN SHALL NOT BE RESPONSIBLE FOR DISCREPANCIES BETWEEN PLAN AND
   PLANT TABLE. WHERE DISCREPANCIES EXIST THE PLAN SHALL DICTATE.
- CONTRACTOR SHALL INSTALL 12" DEPTH OF IMPORTED SANDY LOAM TOPSOIL IN ALL NEW PLANTER AREAS AND 4" DEPTH IMPORTED SANDY LOAM TOPSOIL IN ALL LAWN AREAS. EXCAVATE PLANTERS AND LAWN AREAS AS NECESSARY IN ORDER TO ALLOW FOR SPECIFIED DEPTHS OF TOPSOIL AND BARK MULCH. EXPORT EXCAVATED MATERIAL OFF-SITE AS NECESSARY.
- ALL PLANTERS ADJACENT TO SIDEWALKS TO HAVE A FINISHED TOPSOIL GRADE OF 4" BELOW TOP OF CONCRETE WALK/CURB TO ALLOW FOR 3" DEPTH OF SHREDDED BARK MULCH.
- PLANT PACKET FERTILIZER:
- USE BEST PAKS 20-10-5 COMMERCIAL FERTILIZER PACKETS, OR EQUAL, PLACED EQUALLY AROUND THE PLANT 3-4 INCHES DEEP NEAR, BUT NOT DIRECT IN CONTACT WITH ROOTS.

  FOR TREES, SHRUBS AND VINES IN THE FOLLOWING AMOUNTS:
  - PLANT SIZE No. OF PACKETS

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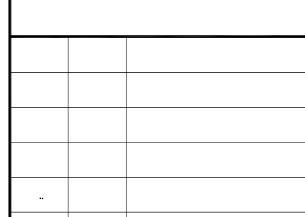
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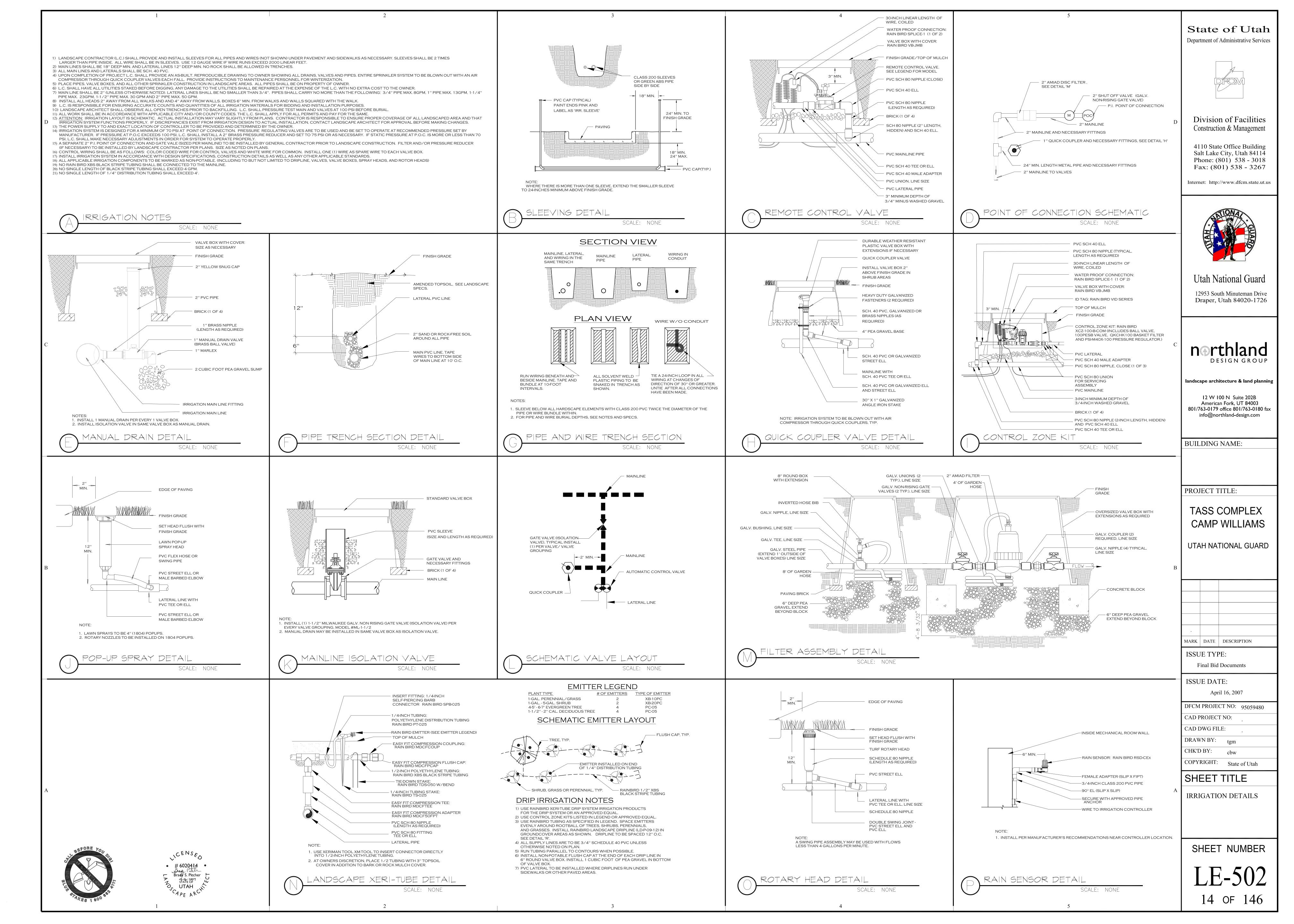
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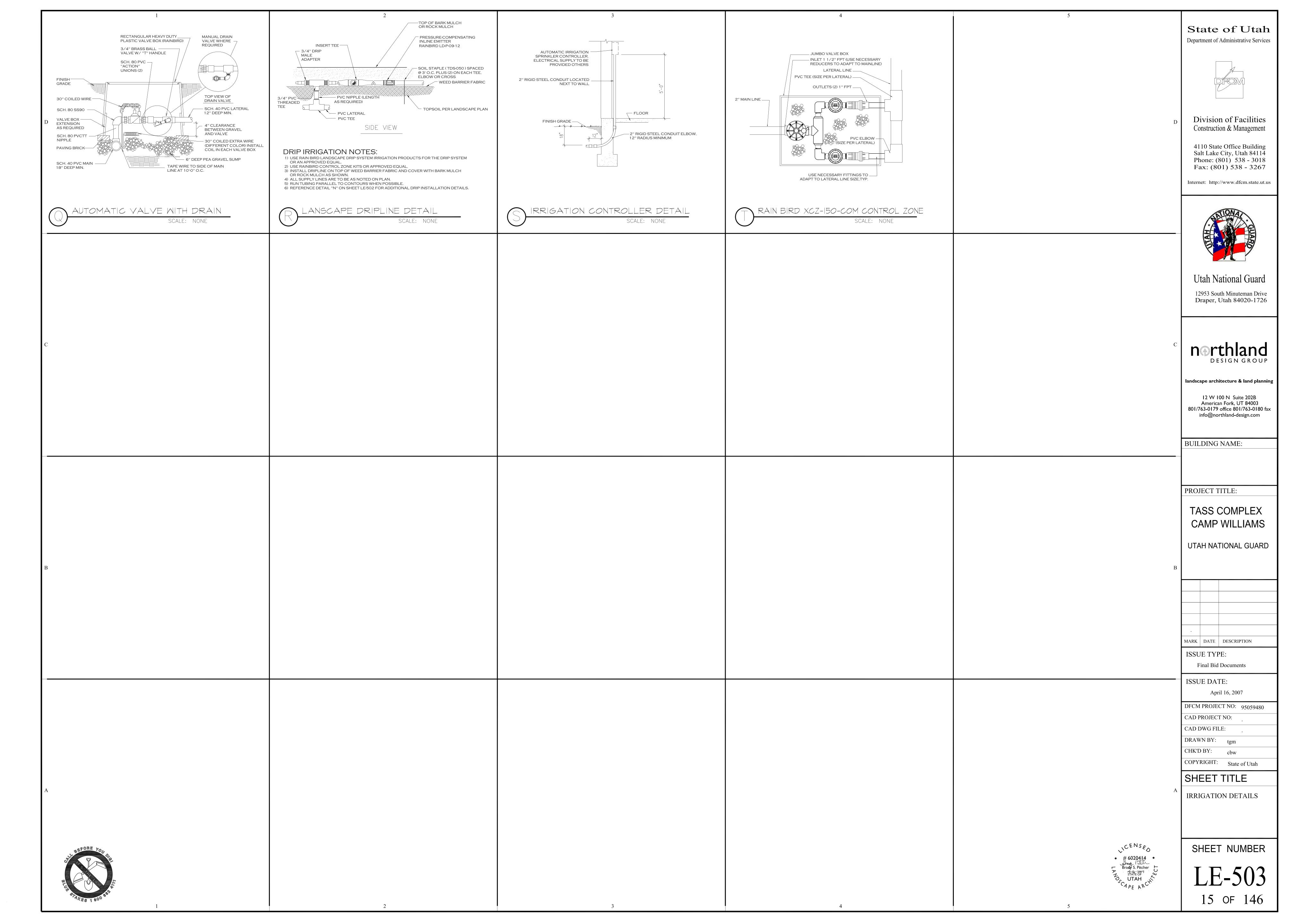
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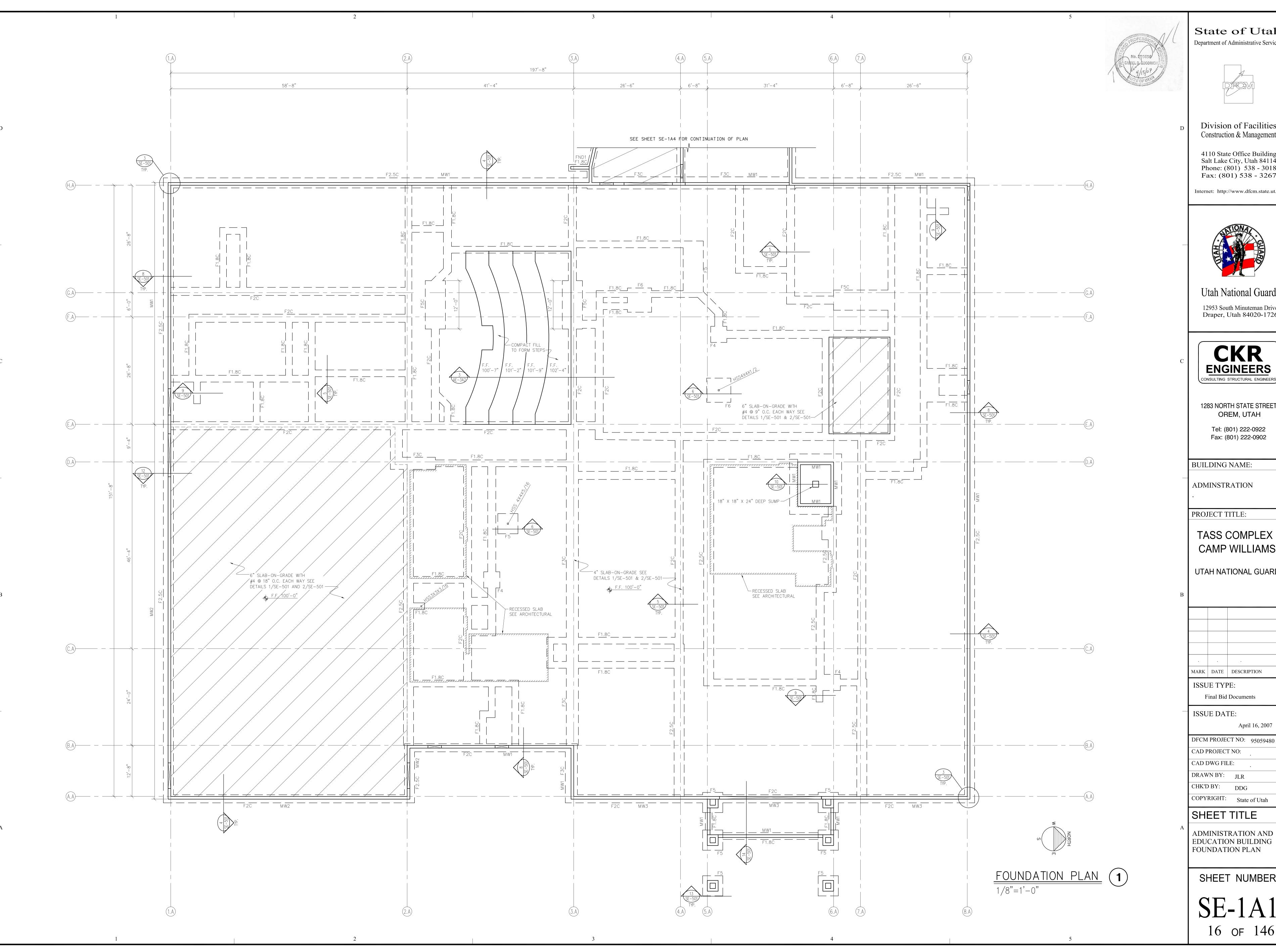
Brady S. Pitcher Brady S. Pitcher Land STATE OF UTAH

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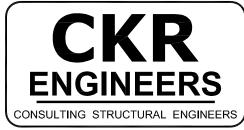
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ADMINISTRATION AND EDUCATION BUILDING FOUNDATION PLAN

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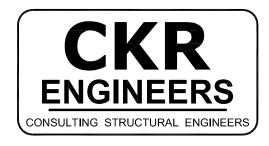
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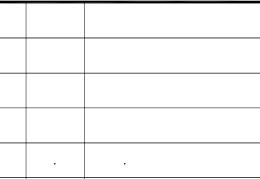
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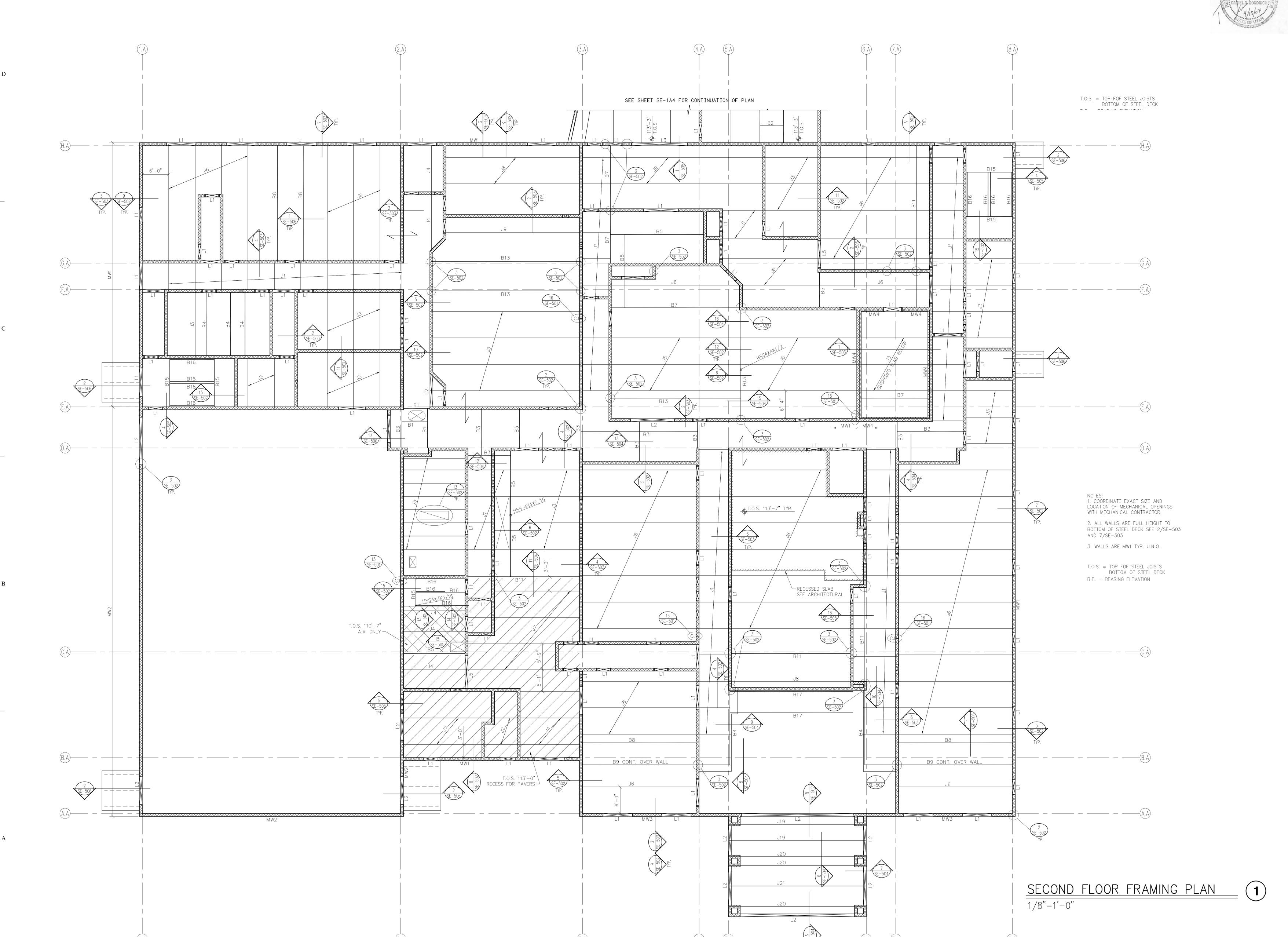
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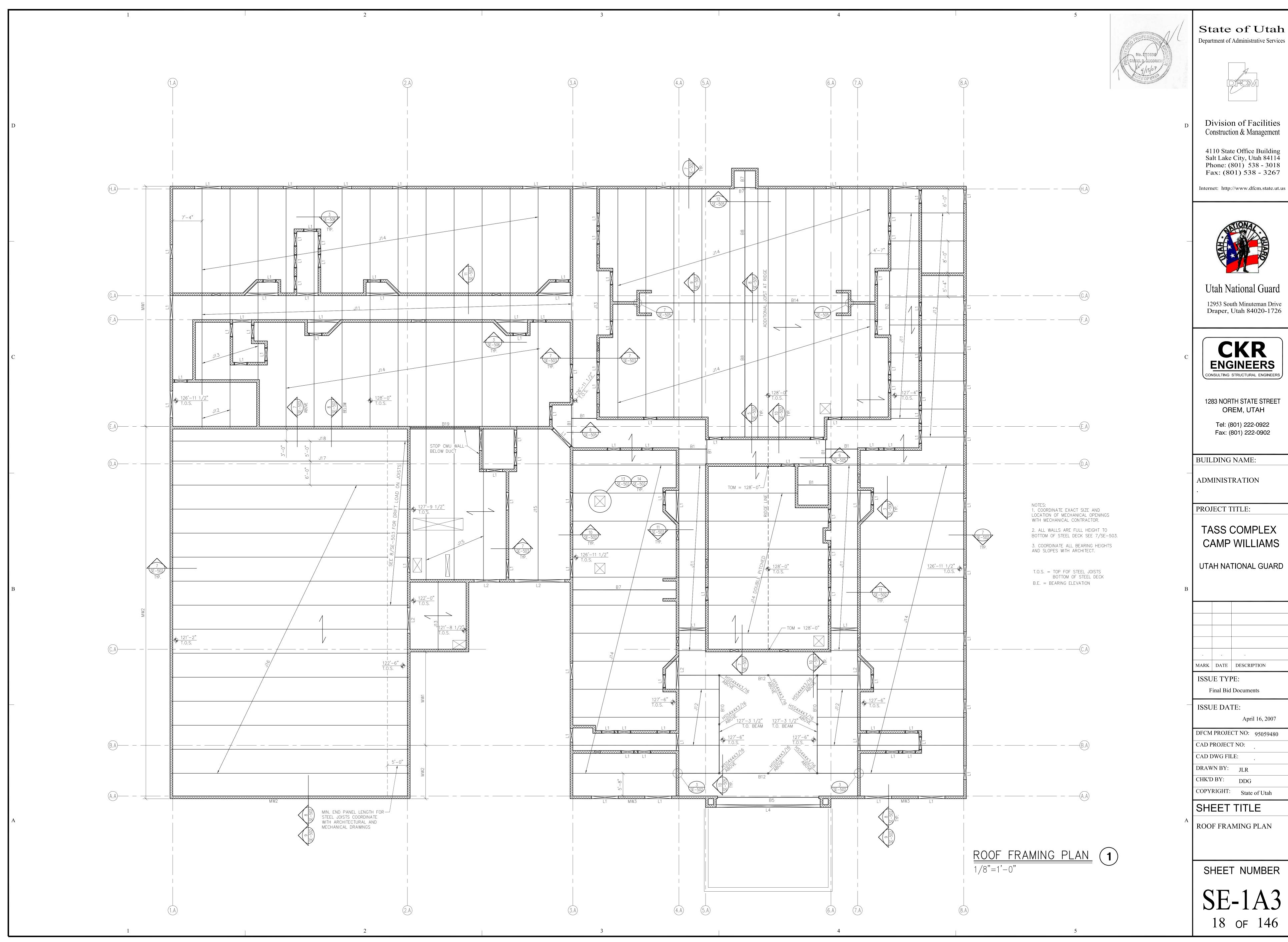
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ADMINISTRATION AND EDUCATION BUILDING SECOND FLOOR FRAMING PLAN

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SE-1A2
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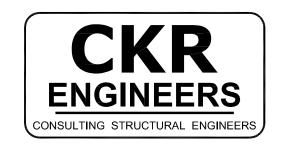
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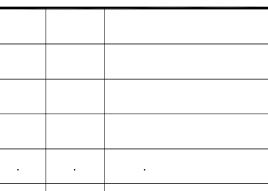
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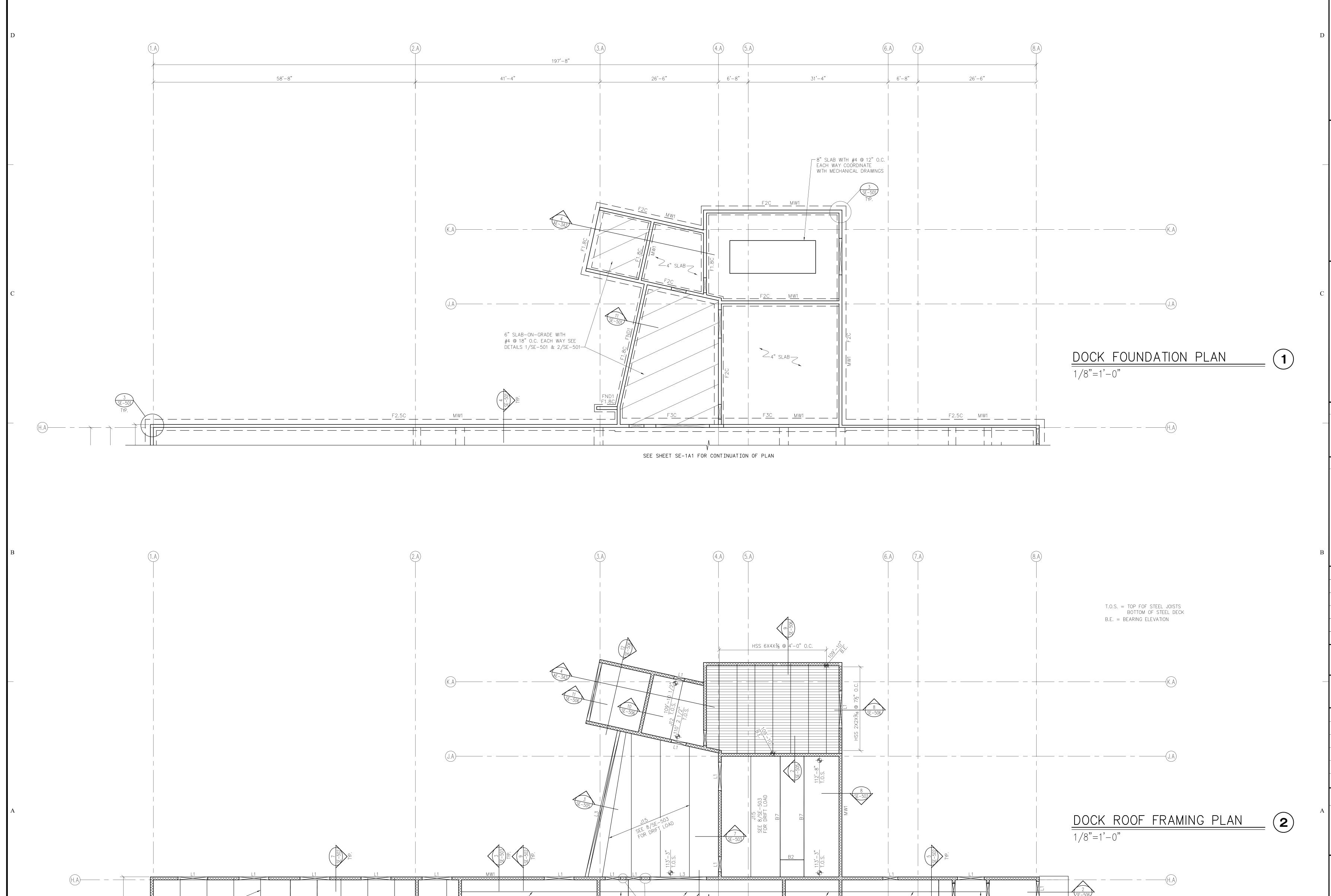
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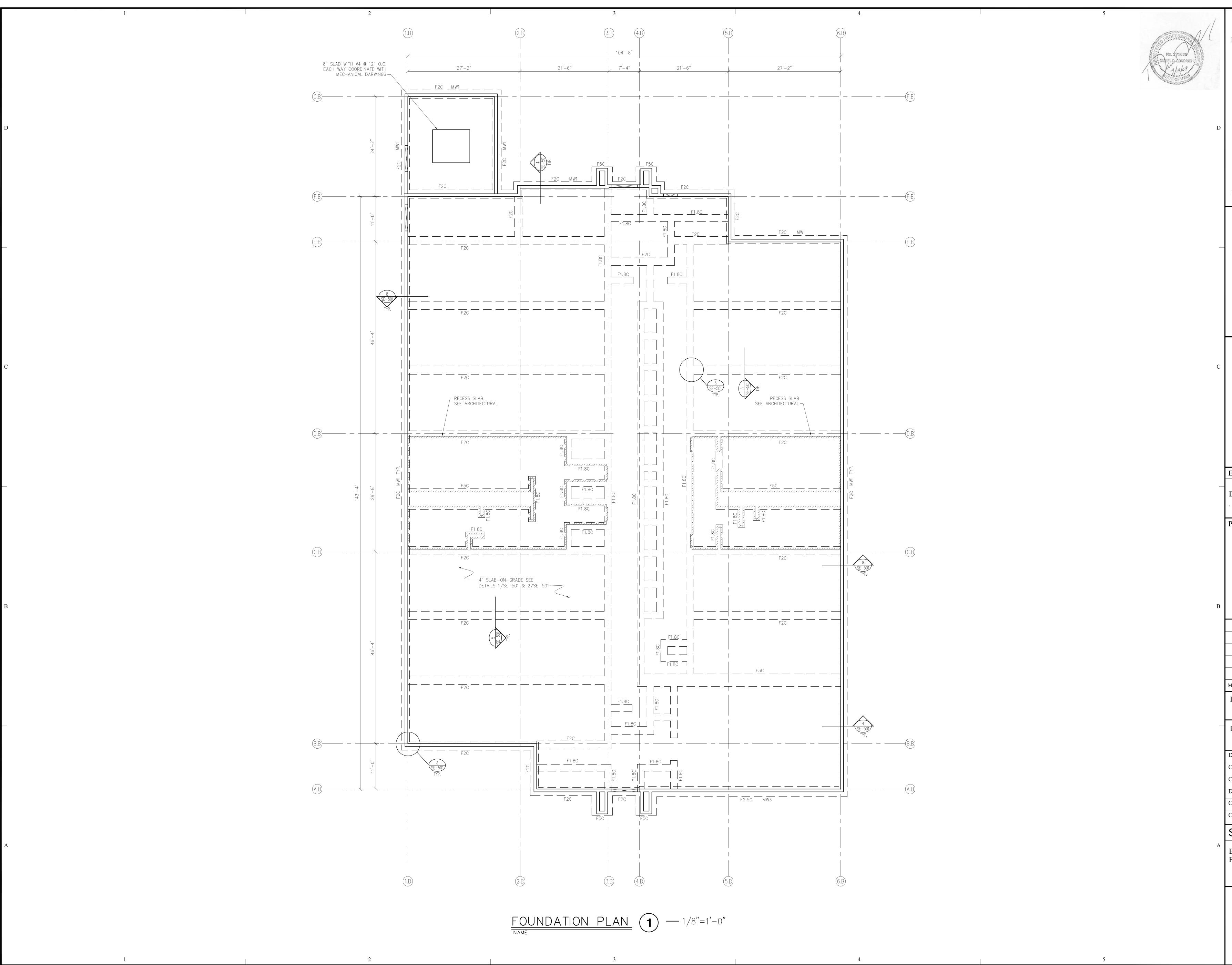
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SEE SHEET SE-1A2 FOR CONTINUATION OF PLAN





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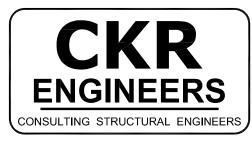
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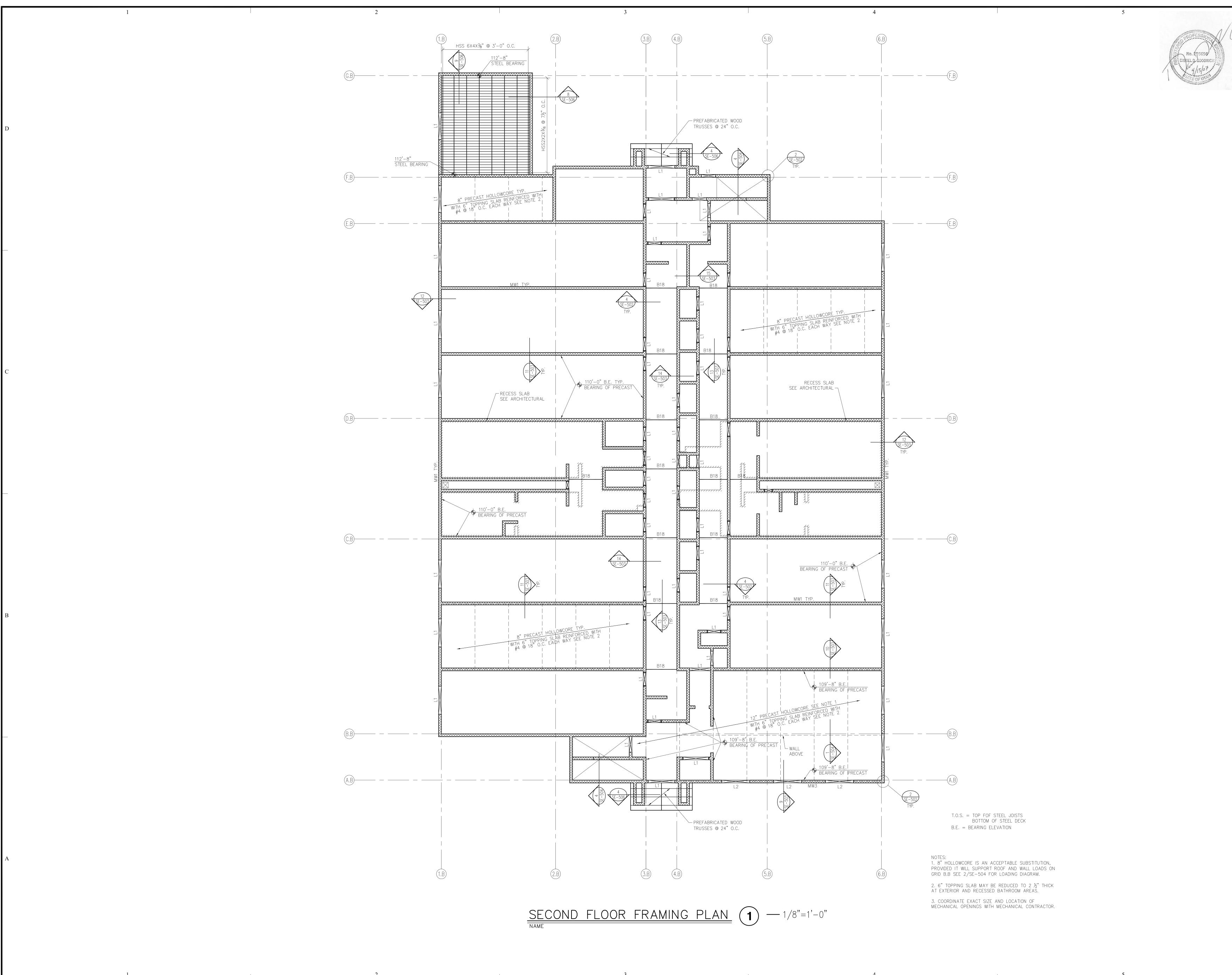
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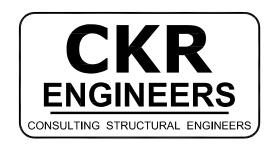
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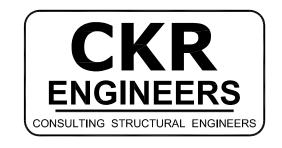
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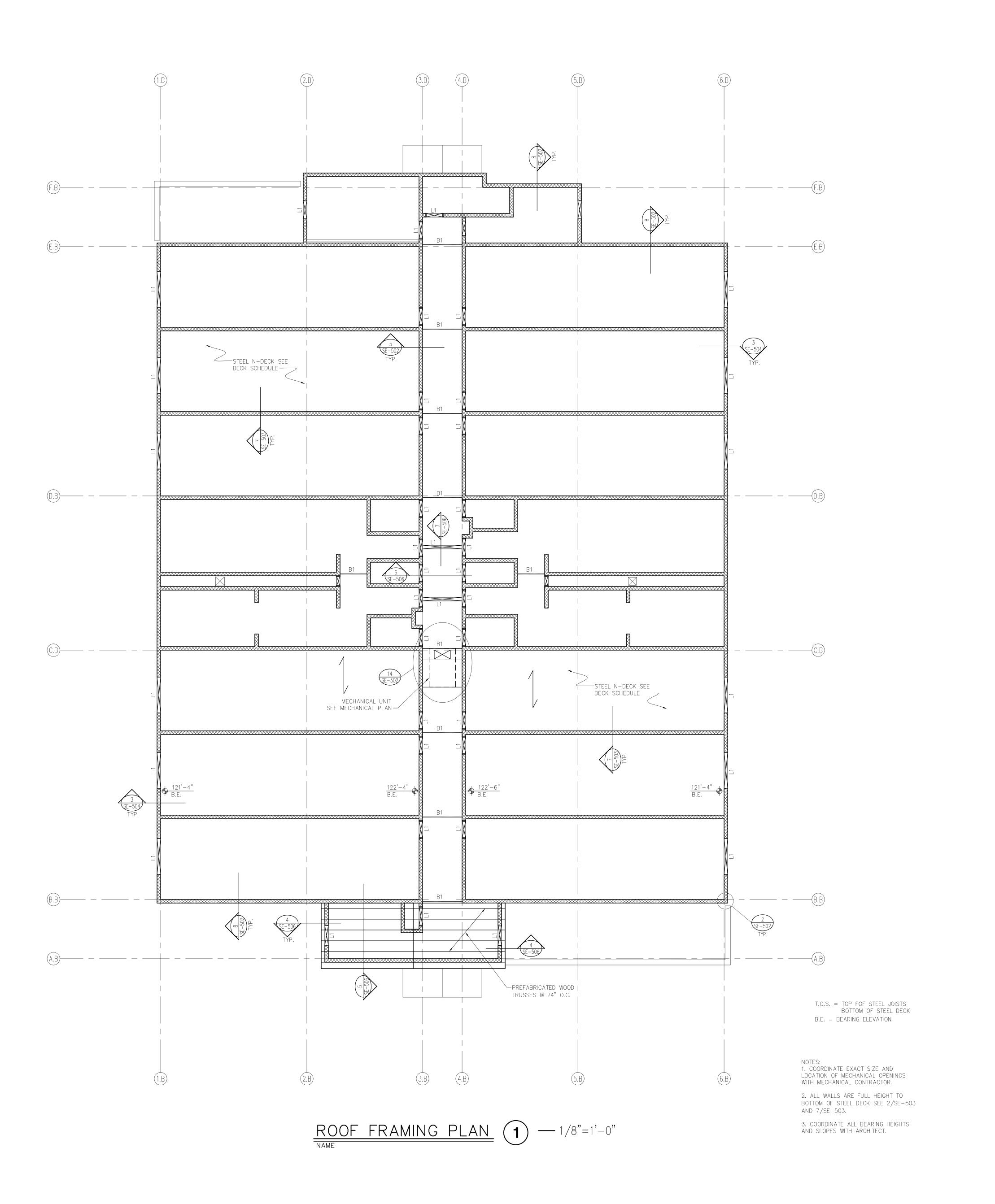
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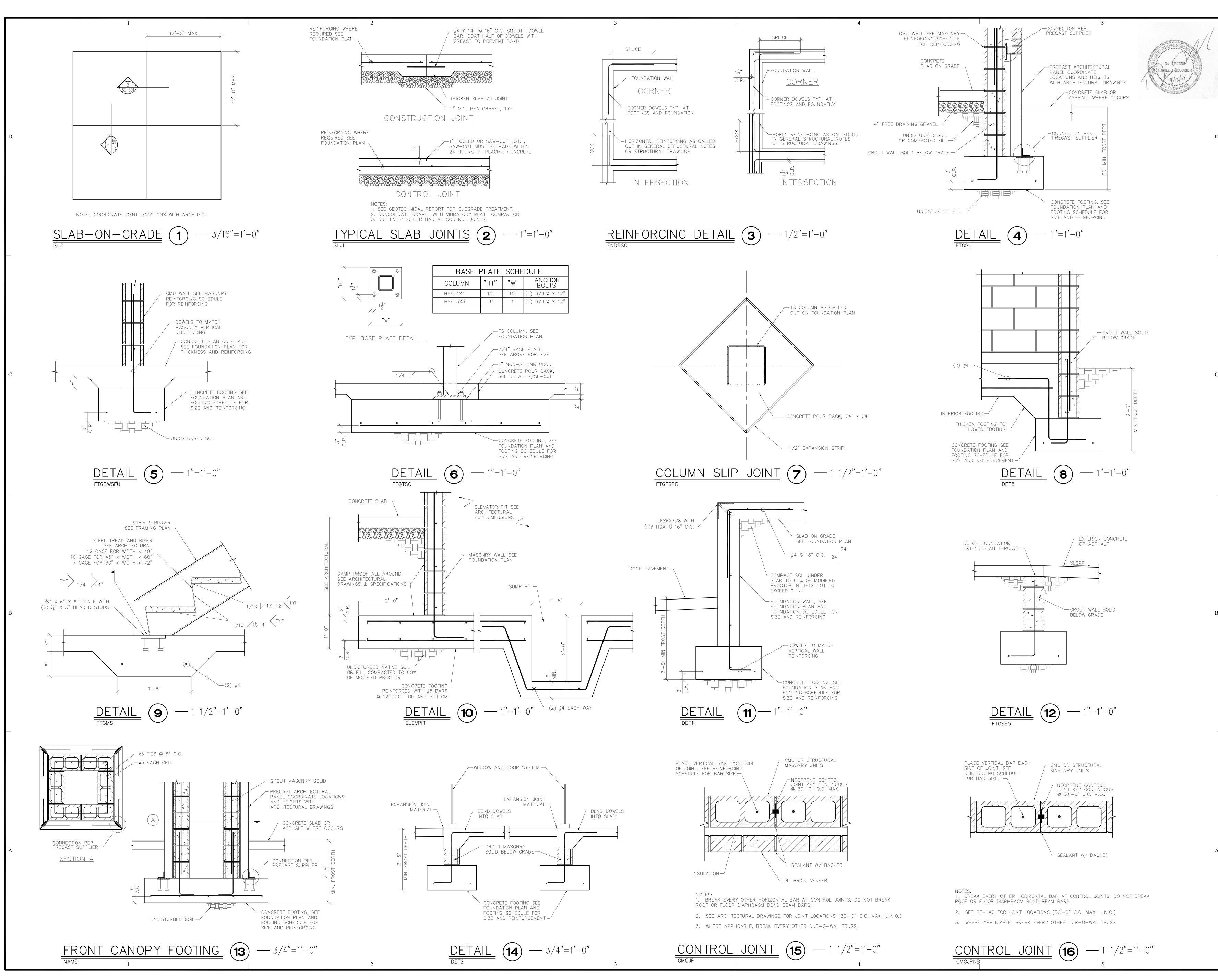
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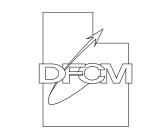
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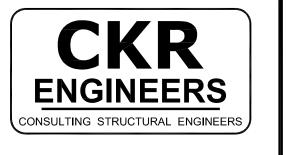
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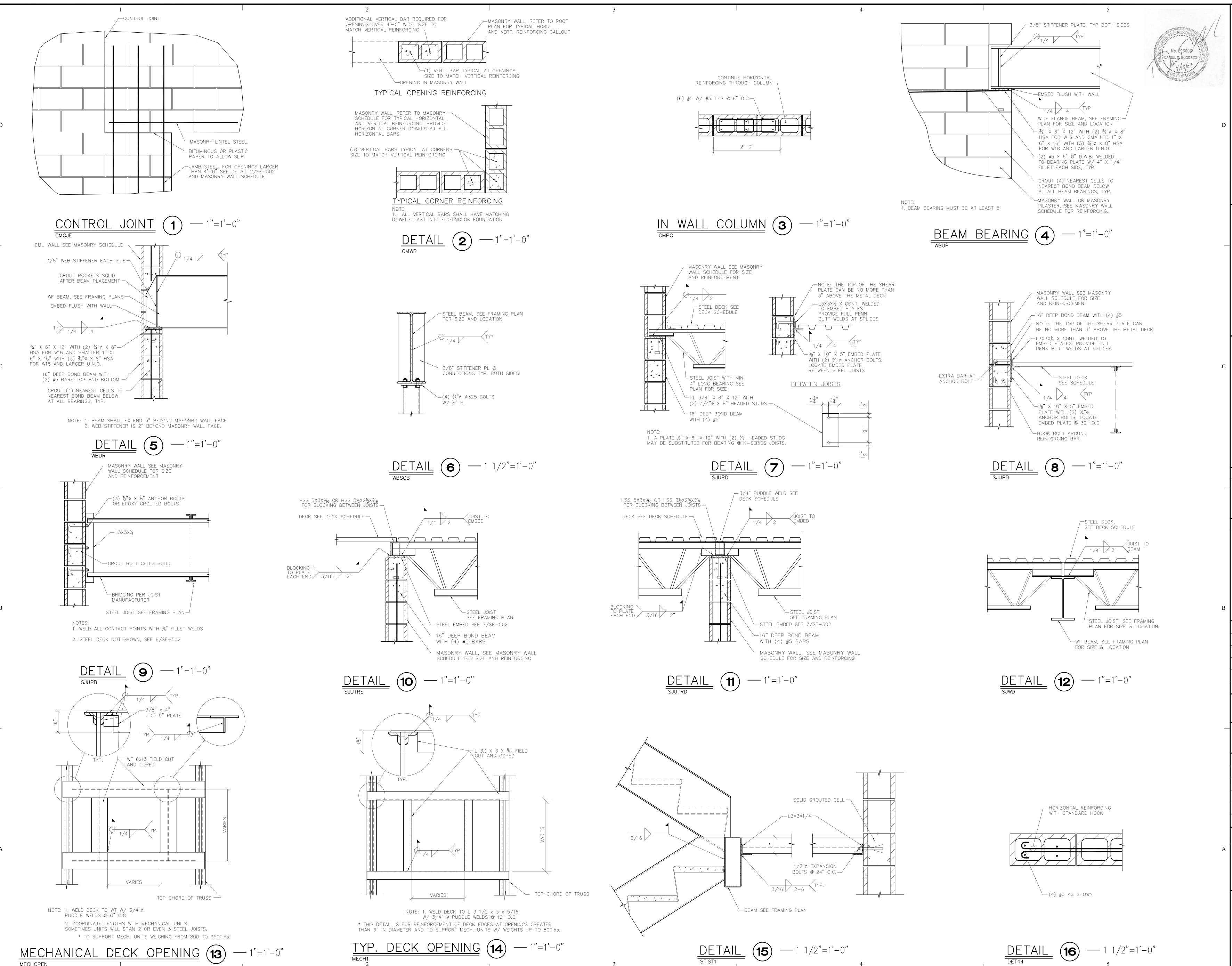
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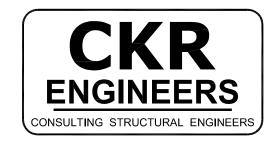
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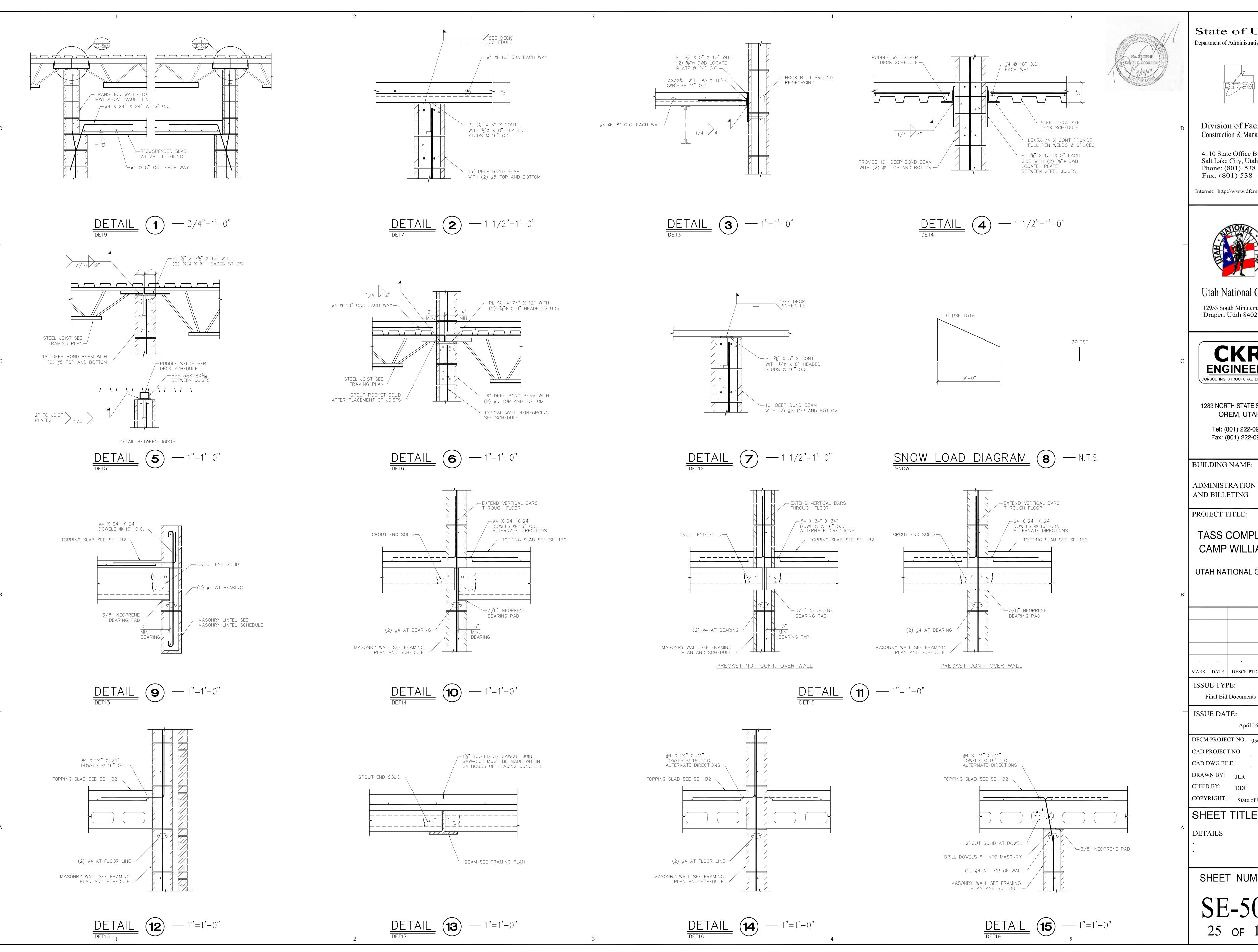
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**ENGINEERS** CONSULTING STRUCTURAL ENGINEERS

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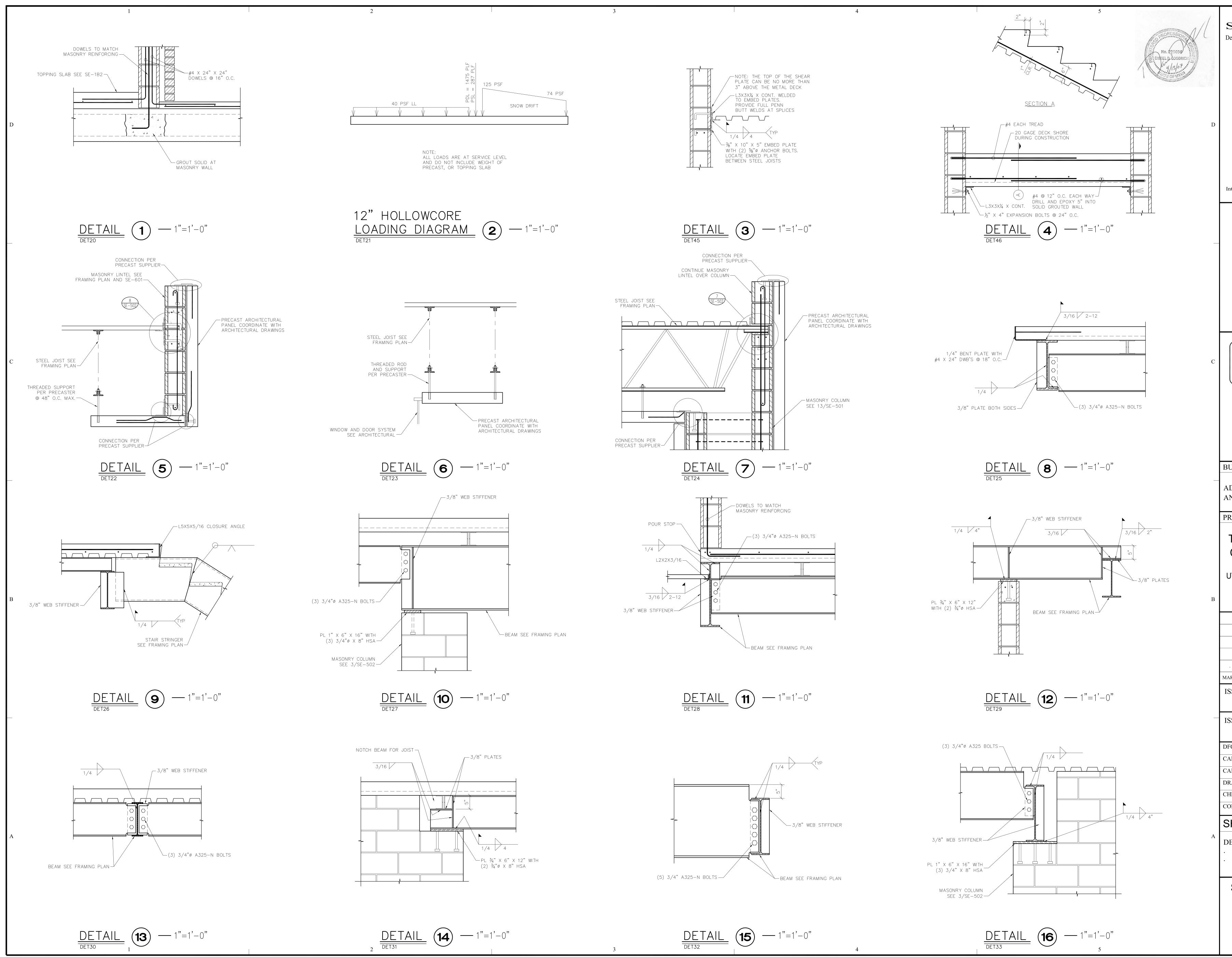
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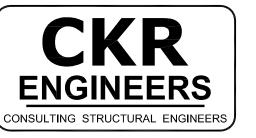
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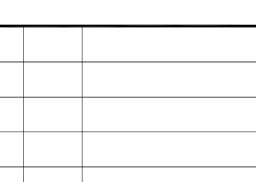
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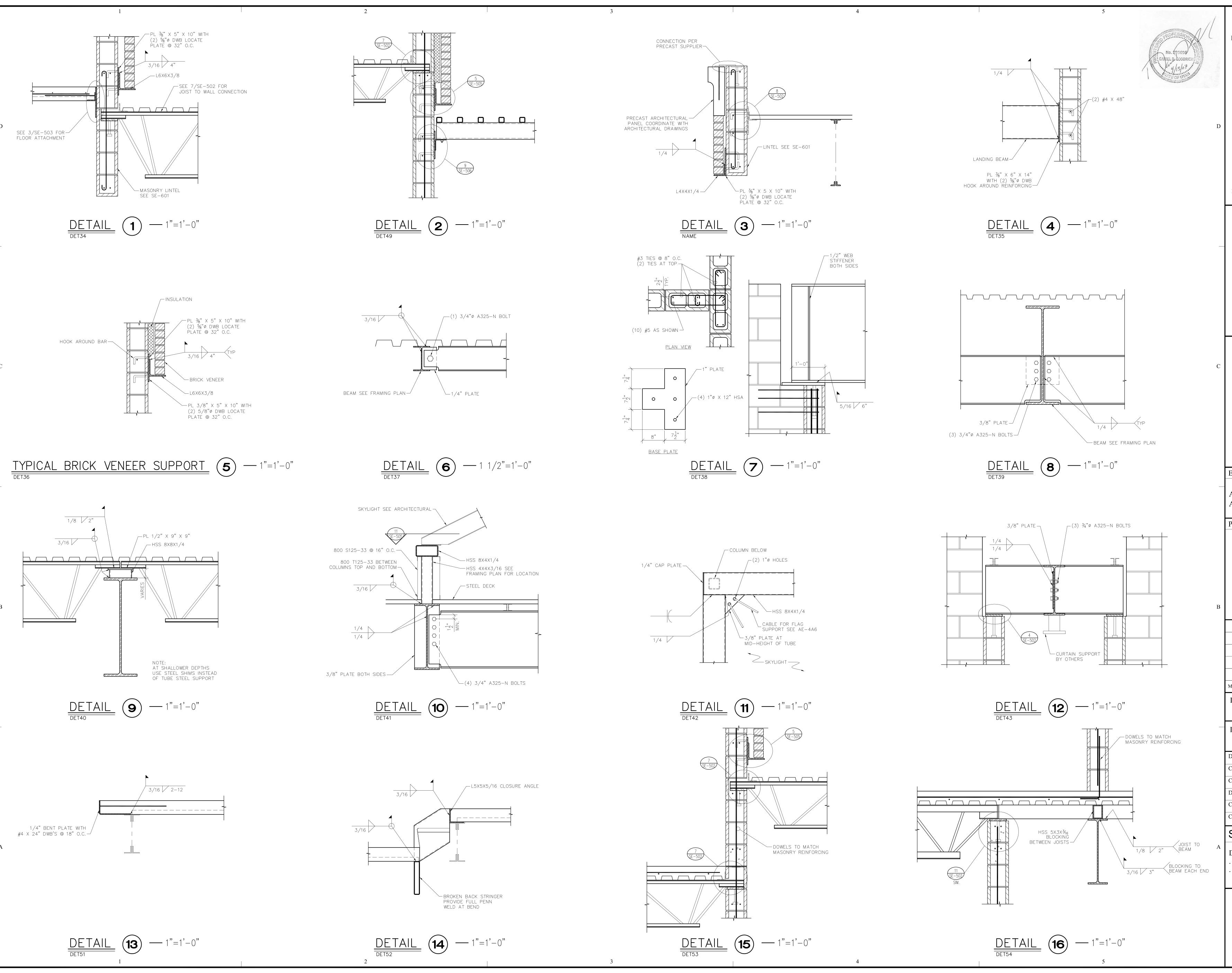
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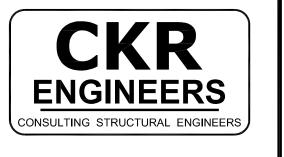
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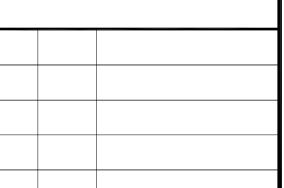
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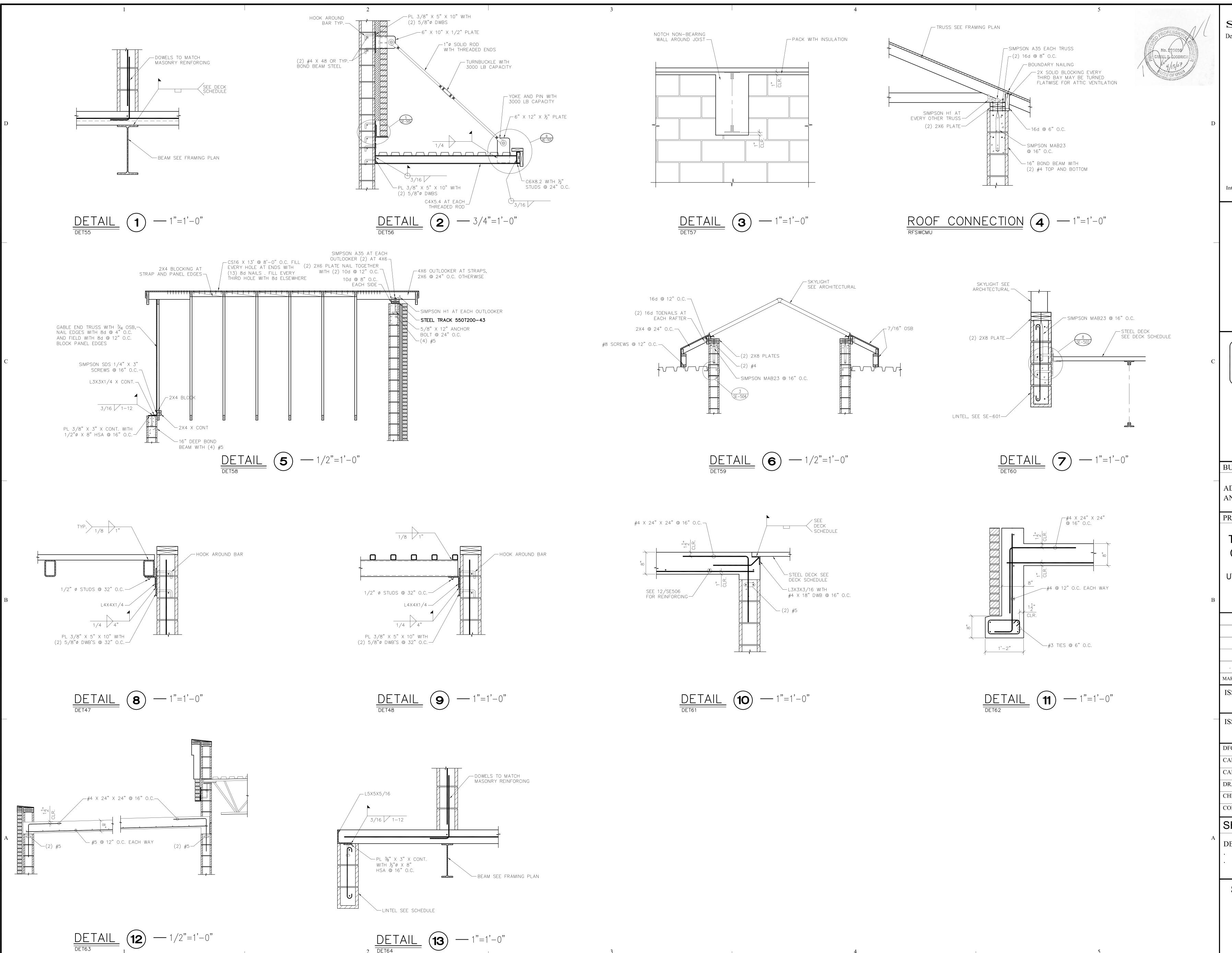
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DETAIL 13 — 1"=1'-0"

State of Utah Department of Administrative Services



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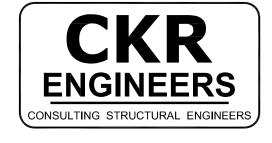
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	N SCHEDULE		
REQUIRED VERIFICATION AND	INSPECTION OF	STEEL CONS	STRUCTION (IBC TABLE 1704.3)
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	COMMENTS
. MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS, NUTS AND WASHERS:			
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED		X	
CONSTRUCTION DOCUMENTS  B. MANUFACTURERS CERTIFICATE OF COMPLIANCE IS REQUIRED			
2. INSPECTION OF HIGH STRENGTH BOLTING:		X	
A. BEARING TYPE CONNECTIONS		X	
B. SLIP CRITICAL CONNECTIONS  3. MATERIAL VERIFICATION OF STRUCTURAL STEEL:	X	Х	
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.			
B. MANUFACTURER'S CERTIFIED MILL TEST REPORTS.			
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:			
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.			
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.  5. INSPECTION OF WELDING:			
A. STRUCTURAL STEEL:			
COMPLETE AND PARTIAL PENETRATION GROOVE WELDS.  2) MULTIPASS FILLET WELDS.	X		
3) SINGLE-PASS FILLET WELDS > 5/16"	X		
4) SINGLE-PASS FILLET WELDS ≤ 5/16"		Χ	
5) FLOOR AND DECK WELDS.  B. REINFORCING STEEL:		X	
1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL		X	
OTHER THAN ASTM A 706.  2) REINFORCING STEEL—RESISTING FLEXURAL AND AXIAL			
FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED	×		
CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT.  3) SHEAR REINFORCEMENT.	X		
4) OTHER REINFORCING STEEL.		Χ	
S. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:		Χ	
A. DETAILS SUCH AS BRACING AND STIFFENING. B. MEMBER LOCATIONS. C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.			
REQUIRED VERIFICATION AND INSPE	CTION OF CONC	L RETE CONST	 
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	COMMENTS
. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING	CONTINUOUS		COMINIENTS
TENDONS, AND PLACEMENT.		X	
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 5B.			
3. INSPECTION BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE	X		
LOADS HAVE BEEN INCREASED.  4. VERIFYING USE OF REQUIRED DESIGN MIX.		X	
5. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR			
CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X		
6. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR	X		
PROPER APPLICATION TECHNIQUES.  7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING		V	
TEMPERATURE AND TECHNIQUES.  8. INSPECTION OF PRESTRESSED CONCRETE:		X	
A. APPLICATION OF PRESTRESSING FORCES.  B. GROUTING OF BONDED PRESTRESSING TENDONS IN THE	X		
SEISMIC-FORCE-RESISTING SYSTEM.	^	\/	
9. ERECTION OF PRECAST CONCRETE MEMBERS.  10. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO		X	
STRESSING OF TENDONS IN POST TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS		X	
AND STRUCTURAL SLABS.  PEOLIDED VERIFICATION AND INSPE	CTION OF MASO	IDV CONCT	 
REQUIRED VERIFICATION AND INSPE			
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	COMMENTS
. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:			
A. PROPORTIONS OF SITE—PREPARED MORTAR.  B. CONSTRUCTION OF MORTAR JOINTS.		X	
C. LOCATION OF REINFORCEMENT AND CONNECTORS.		X	
2. THE INSPECTION PROGRAM SHALL VERIFY:		.,	
A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.  B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING		Х	
OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.		X	
C. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT.		X	
D. WELDING OF REINFORCING BARS.  E. PROTECTION OF MASONRY DURING COLD WEATHER	X		
(TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F).		Х	
8. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:			
A. GROUT SPACE IS CLEAN.		X	
B. PLACEMENT OF REINFORCEMENT AND CONNECTORS.		X	
C. PROPORTIONS OF SITE—PREPARED GROUT.  D. CONSTRUCTION OF MORTAR JOINTS.		X	
. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE	X	· · · · · · · · · · · · · · · · · · ·	
WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS.  5. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR	X		
SPECIMENS AND/OR PRISMS SHALL BE OBSERVED  5. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE	^		
CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.		Χ	
REQUIRED VERIFICATION AND	INSPECTION OF	SOIL (IBC T	ABLE 1704.7)
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	COMMENTS
VERTELL'ATION AND IN SECTION			,
1. SITE PREPARATION:	00111110000	X	OOMMENTO

			NAI	LING S	SCHED	JLE			
LOCATION	NOTES	APA RATED ICBO APPROVED SHEATHING	PLYWOOD	MINIMUM WIDTH OF FRAMING MEMBERS (INCHES)	BLOCKED PANEL EDGES REQUIRED	COMMON NAIL SIZE	AT PERIMETER	PANEL EDGES	AT INTERMEDIATE
ROOF	1	CDX OR OSB	5/8	1.5	YES	10d	4	4	12

1. NAILS SHALL NOT BREAK THE SURFACE OF THE SHEATHING.

. IN-PLACE DENSITY:

	MASON AP SPL				_E
BAR	POSITION		BLOCK	( SIZE	
SIZE	1 03111011	6"	8"	10"	12
11 7	CENTER	19	19	19	19
#3	EDGE		19	19	19
11.4	CENTER	25	25	25	25
#4	EDGE		25	25	25
11 5	CENTER	40	32	32	32
#5	EDGE		40	40	32
11.6	CENTER	82	58	53	53
#6	EDGE		80	57	57
117	CENTER		80	62	62
#7	EDGE			77	77
Шο	CENTER		114	88	76
#8	EDGE			108	108
#9	CENTER			113	92
#9	EDGE				137

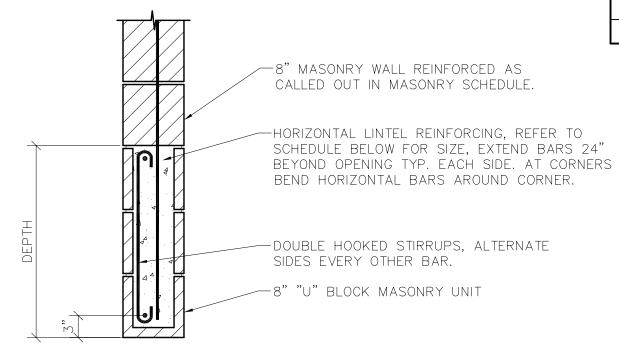
<u>NOTES</u> 1. f'm = 1500 PSI2. BAR POSITIONS

> 8" BLOCK, d=2 1/2" CLR. 10" & 12" BLOCK, d=3 1/2" CLR.

CONCRETE REBAR LAP SPLICE SCHEDULE					
BAR	POSITION	f'c @ 28 DAYS (P.S.I.)			
SIZE	FUSITION	3000	4000	5000	
11.7	TOP	22	19	17	
#3	BOTTOM	17	15	12	
11.4	TOP	29	25	22	
#4	BOTTOM	22	19	17	
11.5	TOP	36	31	28	
#5	BOTTOM	28	24	22	
II.C	TOP	43	36	33	
#6	BOTTOM	33	29	26	
117	TOP	63	54	48	
#7	BOTTOM	48	42	37	
110	TOP	72	62	55	
#8	BOTTOM	55	48	43	
// 0	TOP	80	70	62	
#9	ВОТТОМ	62	54	48	

# CONCRETE REBAR LAP SPLICE TABLE NOTES

- 1. "d<sub>b</sub>" DENOTES BAR DIAMETER.
- 2. TOP BAR IS DEFINED AS BAR WITH MORE THAN 12 INCHES OF CONCRETE BELOW.
- 3. FOR VERTICAL BARS, USE BOTTOM BAR VALUES. 4. APPLIES TO ALL BARS WITH COVER OF d<sub>b</sub> <u>AND</u>
- CLEAR SPACING OF 2d<sub>b</sub>.
- 5. FOR BARS WITH COVER LESS THAN d<sub>b</sub>, MULTIPLY VALUES BY 1.5.
- 6. FOR BARS WITH CLEAR SPACING LESS THAN d<sub>b</sub> MULTIPLY VALUES BY 1.5.
- 7. FOR LIGHTWEIGHT CONCRETE, MULTIPLY BY 1.3. 8. STAGGER SPLICES IN ALL CASES



MASONRY LINTEL SCHEDULE						
LINTEL	CLEAR OPENING	DEPTH	LINTEL			
	CLLAN OI LINING	DEI III	HORIZONTAL REINFORCING	STIRRUPS		
L1	UP TO 6'-0" U.N.O.	24"	(1) #5 BARS CONT. T. & B.	#3 @ 8"		
L2	6'-1" TO 12'-0" U.N.O.	48"	(1) #6 BARS CONT. T. & B.	#4 @ 16" O.C.		
L3	SPECIAL	48"	(2) #6 BARS CONT. T. & B.	#4 @ 8" O.C.		
L4	SPECIAL	40"	(1) #6 BARS CONT. T. & B.	#4 @ 16" O.C.		
L5	SPECIAL	32"	(1) #6 BARS CONT. T. & B.	#4 @ 8" O.C.		
NOTEC						

NOTES: 1. REFER TO DETAIL 2/SE-502 FOR JAMB STEEL REQUIREMENTS. 2. IF HORIZONTAL REINFORCING CAN NOT BE EXTENDED 2'-0" BEYOND OPENING. PROVIDE 90° 3. DO NOT LAP BOTTOM STEEL AT CENTER SPAN, NOR TOP STEEL NEAR INTERIOR OR EXTERIOR SUPPORTS. 4. SEE DETAIL 1/SE-502 FOR MASONRY CONTROL JOINTS AROUND LINTELS. 5. HORIZONTAL WALL REINFORCING SHALL CONTINUE THROUGH MASONRY LINTELS. WHERE BOTH

THE LARGER BARS ARE TO REPLACE THE SMALLER BARS.

HORIZONTAL WALL REINFORCING AND LINTEL REINFORCING WOULD OCCUR IN THE SAME COURSE,

DESIGN SOIL BEARING PRESSURE, qa=2500 psf f'c=3000 PSI FOOTING SCHEDULE fy=60,000 PSI MARK | WIDTH | LENGTH | THICK. CROSSWISE REINFORCEMENT LENGTHWISE REINFORCEMENT NO. | SIZE | LENGTH | TYPE | SPACE | NOTES | NO. | SIZE | LENGTH | TYPE | SPACE | NOTES F1.8C | 1'-8" | CONT | 12 CONT 14 2'-0" CONT 12 CONT F2.5C 2'-6" CONT 12 CONT F3C 3'-0" | CONT | 12 | --- | 4 | 2'-6" | 60 | CONT 60 15 F4 4'-0" 4'-0" 12 4 5 3'-6" 60 3'-6" | 60 | 14 F5C 5'-0" CONT 12 --- 5 4'-6" 60 12 CONT 60 13.5 F5 5'-0" 5'-0" 12 6 5 4'-6" 60 6 5 4'-6" 60 11 F6 6'-0" 6'-0" 12 5 5'-6" 60 5'-6" 60 13.2

NOTES: 1. PROVIDE 30" MINIMUM FROST @ EXTERIOR FOOTINGS.

fc = 4,000 PSI fy = 60,000 PSI FOUNDATION WALL SCHEDULE 1,2								
MARK	THICK	НОІ	RIZ. REINFOF	RCING	VE	RT. REINFOR	RCING	REMARKS
WANN	HIICK	SIZE	SPACE	FACE 2	SIZE	SPACE	FACE 2	INLIMANNO
FND1	8"	#5	18" O.C.	MID	#5	16" O.C.	MID	3
NOTES: 1. SPECIAL INSPECTION IS NOT REQUIRED FOR FOUNDATION WALLS 2. "FACE" INDICATES SIDE OF WALL THAT REINFORCING AND DOWELS WILL BE PLACED AGAINST, (#5 BARS OR SMALLER 3" CLEAR) (#6 BARS OR LARGER 2" CLEAR). INT = INTERIOR SIDE								

EXT = EXTERIOR SIDEMID = MIDDLE OF WALL 3. EXTEND EVERY OTHER BAR INTO MASONRY ABOVE. PROVIDE ADDITIONAL DOWELS WHERE MASONARY VERTICALS ARE SPACED CLOSER THAN FOUNDATION BARS.

MASONRY REINFORCING SCHEDULE						
WALL LOCATION	WALL SIZE	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT	JAMB STEEL	NOTES	
MW1	8"CMU	#5 @ 32" O.C.	(2) #4 @ 48" O.C.	(1) #5	1,2	
MW2	8"CMU	#5 @ 16" O.C.	(2) #4 @ 48" O.C.	(1) #5	2	
MW3	8"CMU	#5 @ 16" O.C.	(1) #4 @ 16" O.C.	(4) #5	2,3,5	
MW4	12" CMU	#4 @ 8" O.C.	(1) #4 @ 8" O.C.	(2) #4	2,4	

1. TYPICAL REINFORCING FOR ALL WALLS UNO. 2. DUR-O-WALL D/A 310 @ 24" O.C. TYPICAL ALL SINGLE WYTHE WALLS. DUR-O-WALL D/A 310 TR @ 24" O.C. TYPICAL @ MULITIPLE WYTHE WALLS. 3. PROVIDE STD HOOK OR CORNER BAR @ ENDS OF ALL

HORIZONTAL REINFORCING. 4. GROUT WALL SOLID. WALL TRANSITIONS TO MW1 ABOVE VAULT

5. SEE 16/SE-502 FOR JAMB STEEL.

BEAM SCHEDULE						
MARK	GRADE	DESCRIPTION	REMARKS			
B1	A992	W6X9				
В2	A992	W12X14				
В3	A992	W12X22				
В4	A992	W14X22				
B5	A992	W14X30				
В6	A992	W14X48				
В7	A992	W18X35				
В8	A992	W18X50				
В9	A992	W18X60				
B10	A992	W21X44				
B11	A992	W24X55				
B12	A992	W24X68				
B13	A992	W27X84				
B14	A992	W36X135	CAMBER 1"			
B15	A500 GRADE B	HSS12X4X3/16				
B16	A500 GRADE B	HSS12X2X3/16				
B17	A500 GRADE B	HSS16X4X1/2				
B18	A992	WT8X50				
B19	A992	W10X33				

LINI	EL SC	CHEDULE	
CLEAR OPENING		SIZE OF ANGLE	
UP TO 7'-0"		3 1/2" X 3 1/2" X 1/4"	
7'-1" TO 9'-0"		5" X 3 1/2" X 1/4"	
9'-1" TO 10'-0"		5" X 3 1/2" X 5/16"	
10'-1" TO 11'-0"		5" X 3 1/2" X 3/8"	
11'-1" TO 12'-0"		6" X 4" X 3/8"	
12'-1" AND OVER		REQUIRES SPECIAL ANALY	′SIS
4"	8"		
NOTE:			
		STONE ONLY. WHERE ENTRATED LOADS OCCUR,	

FURTHER ANALYSIS IS NECESSARY. PROVIDE 1" OF

BEARING EACH END FOR EACH FOOT OF SPAN. MINIMUM BEARING OF 6" EACH SIDE OF OPENING. USE THIS SCHEDULE UNLESS NOTED OTHERWISE.

JOIST SCHEDULE				
MARK	JOIST	LOAD (TL/LL)	SPACING UNO	REMARKS
J1	5VS	900/480	6'	
J2	5VS	1020/600	6'	
J3	14LH	780/360	6'	
J4	14LH	1020/600	6'	
J5	14LH	810/450	3'	
J6	18LH	780/360	6'	
J7	18LH	1020/600	6'	
J8	20LH	780/360	6'	
J9	24LH	780/360	6'	
J10	24LH			
J11	2.5VS	400/260	7'	
J12	10K	400/260	7'	
J13	12K	400/260	7'	
J14	22K	400/260	7'	
J15	26K	400/260	7'	
J16	48LH	342/222	6'	
J17	48LH	410/300		
J18	48LH	410/330		
J19	24LH	672/432		SEE NOTE 1
J20	24LH	588/284		SEE NOTE 1
J21	24LH	555/271		SEE NOTE 1

NOTE: 1. LIMIT TL DEFLECTION TO 0.3"

DECK SCHEDULE						
MARK	DECK TYPE	ICBO NO.	MIN. SPAN PER SHT.	FASTENERS REQUIRED AT SIDE LAP SEAMS	FASTENERS REQ'D AT SUPPORTS PERPENDICULAR TO DECK SPAN	FASTENERS REQ'D AT SUPPORTS PARALLEL TO DECK SPAN
ADMINISTRATION ROOF	1 1/2" VERCO 20 GA. PLB-36	2078	3	VSC @ 18" O.C.	(7) 3/4"ø/SHEET	3/4"ø ⊚ 12" O.C.
ADMINISTRATION FLOOR	1 1/2" VERCO 20 GA. B FORMLOK-36 (NOTE 2,3)	2078	3	3/16" BP @ 36" O.C.	(4) 3/4"ø/SHEET	3/4"ø @ 18" O.C.
BILLTING ROOF	3" VERCO 18 GA. PLN-24	2078	3	VSC @ 18" O.C.	(4) 3/4"ø/SHEET	3/4"ø @ 18" O.C.

NOTES: 1. ALL DECK WELDS MUST BE PAINTED. 2. REINFORCE 5" CONCRTE FLOOR W/ #4 @ 18" O.C. EACH WAY. 3. TEMPORARILY SHORE SPANS OVER 7"



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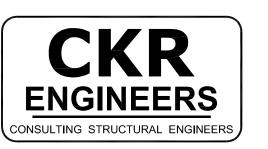
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Internet: http://www.dfcm.state.ut.us



Utah National Guard 12953 South Minuteman Drive Draper, Utah 84020-1726



1283 NORTH STATE STREET OREM, UTAH

Tel: (801) 222-0922 Fax: (801) 222-0902

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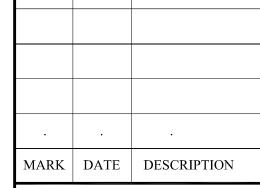
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PROJECT TITLE:

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**SCHEDULES** 

SHEET NUMBER

29 of 146

sheathing, and shorings required to safely and adequately retain any excavations.

Along with scheduled dowels, roughen surface of footing under foundation to 1/4 in. undulations.

All retaining walls, building walls, pits, etc. must have attained their design strength and support prior to backfilling. Exception - if bracing is used to support walls and etc. for early backfilling, the contractor is responsible for design, permits and installation of such bracing.

Grading shall allow for positive drainage (2 percent minimum) away from the building, other footings and foundations, drives, and sidewalks. All downspouts shall drain onto 3-foot long splash blocks sloping away from

Excessive wetting or drying of the foundation excavation and the floor slab areas should be avoided during construction.

All fill, imported or local shall be examined and approved by the Geotechnical Engineer prior to use in controlled fill areas. Backfill around the building shall be of relatively impervious soil. Fill materials shall be placed and compacted in layers using approved compaction equipment. Watering of fill material shall be as recommended by the soils report.

All fill supporting concrete slabs, footings, or etc. shall be moistened and compacted to at least 95 percent of the maximum dry density as determined by ASTM D-1557 (Modified Proctor). All other fill shall be compacted to a minimum relative compaction of ninety (90) percent of maximum dry density. An approved testing agency shall perform the compaction testing and submit the results to the Structural Engineer. Sufficient field density tests shall be performed to certify building pads as conforming to the specifications.

REINFORCING STEEL (FOR CONCRETE AND MASONRY)

All reinforcing steel shall be detailed and placed in conformance with the 'Building Code Requirements For Reinforced Concrete' (ACI 318 latest approved edition) and 'The Manual Of Standard Practice For Reinforced Concrete Construction' (latest approved edition) by the CRSI and the WCRSI, as modified by the project drawings and specifications.

All reinforcing bars shall be free of rust, scale, grease, form oil, or other material that might affect or impair bond.

The contractor shall furnish all chairs, support and tie bars required in addition to the scheduled reinforcing.

All steel reinforcement shall conform to ASTM A615 Grade 60 with minimum

- yield strength of 60,000 psi, with the following three exceptions:
  - 1. #3 and #4 breakout dowels may be Grade 40 with a minimum yield strength of 40,000 psi.
  - 2. All reinforcing that is to be welded shall be Deformed Weldable Bar (DWB) that conforms to ASTM A706 Grade 60.

3. Unless noted otherwise (UNO) on drawings.

Welding of reinforcing shall be with low hydrogen electrodes in conformance with 'Recommended Practices For Welding Reinforcing Steel' American Welding Society, AWS-D1.4.

Splices of reinforcing bar, if required, shall be avoided at points of maximum stress. See the lap splice schedule for minimum lap lengths. Bar splices shall be increased 50 percent (UNO) for epoxy coated bars. Splices shall be made in a region of compression, unless shown otherwise.

Reinforcing bars shall neither be welded nor bent by heating. Where inserts require welding to plates, angles or the like, deformed weldable bars shall be used.

All 90 degree hooks in reinforcing bars shall be bent with an inside diameter of 6 bar diameters for #3 to #8, 8 bar diameters for #9 to #11 bars and 10 bar diameters for bars larger than #11. Extend bars 12 bar diameters beyond bend. All 180 degree hooks in reinforcing bars shall be bent with an inside diameter of 6 bar diameters for #3 to #8, 8 bar diameters for #9 to #11 bars and 10 bar diameters for bars larger than #11. Extend bars a minimum of 4 bar diameters, or 2-1/2 in. beyond bend.

Dowels between footings and walls or columns shall be the same grade, size, and spacing or number as the vertical reinforcing, respectively, UNO.

CONCRETE

All phases of work pertaining to the concrete construction shall conform to the 'Building Code Requirements For Reinforced Concrete' (ACI 318) and the 'Specifications For Structural Concrete For Buildings' (ACI 301) latest approved editions, with modifications as noted in the drawings or specifications.

Concrete mixes shall be designed by a qualified testing laboratory and approved by the Structural Engineer. All concrete in contact with the earth shall contain Type I Portland cement unless noted otherwise (UNO). In areas subject to sulfates, Type V is required.

All exterior concrete shall be air entrained by 6% + /-1%. Interior concrete shall be air entrained by 3% +/- 1%.

Calcium chloride shall not be used.

Concrete shall have the following minimum compressive strengths within 28 days after placement (UNO) 3,000 psi Footinas

Foundation 4,000 psi 4,000 psi Interior Flatwork All Exterior Concrete 4,000 psi

Maximum concrete slump shall not exceed four inches.

Concrete samples for concrete being placed using a pump shall be taken at the point of discharge.

All concrete shall be thoroughly cured according to ACI recommendations. Follow ACI 306R "Cold Weather Concreting" and ACI 305R "Hot Weather Concreting" for all concrete and masonry work when required by current weather conditions.

Conduits and pipes embedded in concrete shall conform to the requirements in Section 1906.3 of the International Building Code.

No aluminum or product containing aluminum or any metal injurious to concrete shall be embedded in concrete.

Both interior and exterior concrete slabs-on-grade shall be a minimum of 4 inches in thickness UNO, with sawn or preformed joints at maximum 10 to 12 feet in each direction. Sawn joints shall be 1/4 slab thickness in depth and shall be cut as soon as surface allows and not more than 12 hours after concrete placement. Construction joints shall be made and located as to least impair the strength of the structure and shall be approved by the Architect/Engineer. All reinforcing bars shall be continuous through joints (UNO).

Clear coverage of concrete over outer reinforcement bars shall be as

cover; beams, piers, and columns, 1 1/2 in. cover.

- follows (UNO). - For concrete placed directly against earth, 3 in. cover - For concrete surfaces exposed to weather, 1 1/2 in. cover. - For concrete surfaces exposed to ground after removal of forms,
- For concrete surfaces not exposed to the ground or weather: slabs and walls, 3/4 in cover; joists or waffle beams, 1 in

Where concrete girths, beams, or walls are continuous around a corner, add corner bars to lap from each direction. Reinforcing bars in the interior faces shall extend to within 2 in. of the outer face and shall terminate in a standard hook or bend.

Place vertical steel in center of wall except 12 in. and larger, then place one curtain of steel at each wall face (e.f.).

Reinforcing around openings in concrete walls, unless otherwise noted and in addition to the regular wall reinforcement: at least one #5 horizontal bar for each 5" of wall thickness or fraction thereof with a minimum of (2) #5 placed 2" above the head of the opening that extends 24" beyond the corners of the opening. The minimum depth of wall (in inches) over the opening shall be 1/2 times the span of the opening (in feet) or 12" whichever is greater. At the sides and across the bottom of openings, add two #5 bars that extend 24" beyond the corners of the opening.

Bars shall never be smaller than scheduled wall reinforcing. Reinforcing dowels from the footing shall be the same size and spacing as the vertical reinforcement in the wall above. Dowels shall be positioned before placing

Around openings in concrete slabs, unless otherwise scheduled, add reinforcing equivalent to bars cut by opening. The bars parallel to the main reinforcement shall run the full length of the span. The bars parallel to the temperature steel shall run 48 bar diameters each way beyond the opening.

STRUCTURAL STEEL

All structural steel and structural steel work shall comply with the "AISC Specification for the Design, Fabrication and Erection of Structural Steel for Buildings" and with the "AISC Code of Standard Practice".

Hot rolled structural wide flange steel shall conform to A992 (50 ksi). Other hot rolled structural steel shall conform to ASTM A-36 (36 ksi) UNO. Pipe columns shall conform to ASTM A-53 grade B (36 ksi). All square or rectangular HSS steel tubes shall conform to ASTM A500 Grade B (46 ksi). All round steel HSS tubes shall conform to ASTM A500 Grade B (42 ksi).

All welds and welding shall be in accordance with the specifications of the American Welding Society. Use E70 or F7 electrodes for all welding. All welders must be A.W.S. qualified for the specific type of welding required. Copies of current (within 1 year) welder certification shall be submitted to Architect/Structural Engineer.

Weld lengths noted on plans are the net effective length required. Minimum welds shall meet the requirements of the AISC specification Welds shall be continuous fillet as follows (UNO): 1/16 inch less than the thinnest connecting part for material over 1/4 inch in thickness and shall be the same size as the thinnest connecting part for material under 1/4" thick.

Ten Percent of all welds (both shop and field) are to be tested by magnetic particle and visual inspection according to AWS D1.1 and ASTM #709, or by other non-destructive test as specified by the Engineer. All complete penetration groove welds shall be tested 100 percent by ultrasonic testing or by radiography. Weld tests shall be made by independent testing agency at the owner's expense.

Provide full height web stiffener plates to each side of all beams above all bearing points. Stiffener plates shall be 3/8 inch thick (UNO) and welded with 3/16-inch filet welds continuous.

All steel-to-steel connection bolts shall conform to ASTM A325-N (UNO). Steel to concrete (e.g. anchor rods/bolts) bolts shall conform to ASTM F1554 Grade 36 (UNO). Steel to wood bolts shall conform to ASTM A307 Grade A (UNO). Bolts shall be tightened according to the Turn-Of-The-Nut Method.

Provide and install hardened washers for all A325 or stronger bolted connections and standard washers for all other bolts. Where the outer member face exceeds 1 in 20 with respect to the normal plane of the bolt axis, provide beveled washers.

Boltholes in steel shall be 1/16 inch larger than nominal size of bolt used, except anchor bolts, which may be 3/16 inch larger.

Provide galvanized steel angle lintels at all openings through the masonry walls where none is indicated. Provide 1 inch of bearing for each foot of opening width with a minimum of 6 inches of bearing. See schedule for lintel

Anchor studs, shear studs, and deformed anchors:

deformed anchors is not allowed.

- Shall be Nelson Studs or equal. - Headed studs (shear and anchor) shall be made of material conforming - Deformed anchors shall be made of material conforming to ASTM 496. - Studs and anchors shall be welded according to manufacturer's recommendations. Manual arc (stick) welding of headed studs and/or

### STEEL DECKING

Steel decking shall be of type and gauge as noted on plans. Decking and all accessories shall be formed from steel having a minimum yield strength of 38 ksi and conforming to ASTM A-653 grade A. Decking under interior concrete shall be galvanized G-60 UNO. Decking under concrete exposed to weather shall be galvanized G-90 UNO. Roof decking shall be manufacturer's prime coat finish

Deck units shall span over three or more spans.

Minimum bearing of decking on supports shall be 2 inches. Sheets shall be attached to all supporting steel members by welding as indicated on drawings and in accordance with manufacturer's recommendations.

Upon completion of erection, all welds shall be touched-up, de-slagged, cleaned and primed with zinc rich primer.

#### COLD-FORMED STEEL

All light gage steel framing shall be galvanized channel type sections of the size, type, and gauge indicated on the plans. All steel framing studs shall have flange stiffener lips (U.N.O.). All 12, 14, and 16 gauge steel studs and joists shall conform to ASTM A570 with a minimum yield of 50 ksi. All 18 and 20 gauge studs shall conform to ASTM A570 with a minimum yield of 33 ksi. All track, bridging, closures, etc. shall be formed from 33-ksi steel UNO.

Members shall be welded as noted on the drawings by arc welding which complies with current AWS practice. Where welding is not specifically noted, studs may be attached with manufacturer approved self-drilling, self-tapping screws.

Install partitions with end clips, foundation clips, anchor clips, strap bracing and channel bracing per manufacturer's recommendation and as required on drawings. Non-bearing walls shall have deep leg tracks to allow for deflection of primary structural system.

All masonry construction shall conform to the regulations in Chapter 21, of the International Building Code. All concrete masonry units shall conform to ASTM C-90 for regular weight aggregate or to ASTM C-331 for lightweight aggregate. Use bond beam units at horizontal reinforcing.

All reinforced masonry construction shall conform to the requirements for reinforced grouted masonry or reinforced hollow unit masonry as specified in the above code.

See notes under Reinforcing Steel for general reinforcing bar requirements.

Lap all masonry reinforcing as required by the masonry lap splice schedule, or provide equivalent mechanical ties. All vertical reinforcing shall be doweled from the footing or structure below and to the structure above. Provide horizontal corner bars at all wall intersections. Dowels and corner bars shall be the same bar size and spacing as the scheduled or detailed wall reinforcing. All corners and ends shall have vertical reinforcing in grouted cells. Provide a minimum of 1/2-inch grout between main reinforcing and masonry units.

Reinforcing bars shall neither be welded nor bent by heating. Where inserts require welding to plates, angles and the like, grade 60 deformed weldable bars (DWB) shall be used (ASTM A706).

Where horizontal wall reinforcing bars butt to steel columns, they shall be field welded to column so as to develop the strength of the bar. Use grade 60 deformed weldable bars (ASTM A706).

Where horizontal wall reinforcing bars join concrete or masonry columns or pilasters, reinforcing shall be continuous. A key shall be provided between wall and column or pilaster.

Reinforcing around openings in reinforced masonry walls shall be at least one bar of the scheduled reinforcing (minimum #5) along each side of every opening which extends at least 24" or 48 bar diameters beyond the corners of the opening, whichever is greater.

Truss-type horizontal reinforcing consisting of 2-#9 wires shall be used at 16" o.c. in all masonry walls. This will be in addition to reinforcing specified for reinforced masonry walls.

Mortar for reinforced masonry above grade shall conform to ASTM C-476, type PL and be IBC type S, and attain a compressive strength of 2000 psi at 28 days. Mortar for below grade walls shall be type M and attain a compressive strength of 2500 psi at 28 days.

Grout for reinforced masonry shall conform to ASTM C-476. Use sufficient water for grout to flow into all masonry joints without separation. Grout shall attain a compressive strength of 2000 psi above grade and 3000 psi below grade

The compressive strength of masonry shall equal or exceed f' = 1500 psi (UNO) and shall be verified either by a set of five masonry prisms which shall be built and tested in accordance with IBC 2105.3 prior to the start of construction or by the submitting of previous tests results.

Refer to the Architectural drawings for surface and height of units, laying pattern and joint type.

For single wythe reinforced brick walls, the reinforcing shall be placed in lengths to permit maximum 8 foot lifts. Cleanouts are required if the maximum 8 foot lifts are used. Reinforcing bars shall be securely tied in the desired position within the wall at not to exceed 192 bar diameters. All grout pours, except the top pour, shall terminate approximately 1/2 inch below the top of the last course laid.

All exterior brick shall be laid in a full head of mortar.

EPOXY INSTRUCTIONS FOR ANCHORING REBAR AND BOLTS (Referred to below as bar(s))

Use epoxy that meets ICBO AC58 criteria for seismic and high wind applications, e.g. Simpson SET High Strength Epoxy

Bars must be deformed or threaded for the full embedment depth in epoxy. Locate all missing bars.

Over-drill bar diameter as recommended by manufacturer and to depth indicated in the drawings (15 bar diameter minimum depth). Maximum hole size to be no larger than 1/4 in. larger than bar diameter.

Remove all dirt, dust, water, and ice by vacuum from the holes. Brush and blow hole with oil-free compressed air twice.

Clean dirt, rust, and oil from the bars.

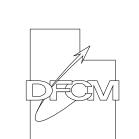
During the epoxy mixing and application process, follow the epoxy manufacturer's instructions exactly.

Inject the holes drilled for the bars halfway with epoxy and then insert the bars while twisting slightly. Insure that bar is seated at bottom of hole and that epoxy has flowed from the top of the hole.

Use an epoxy gel for all horizontal holes or vertical holes filled from

All bars anchored in epoxy are to be special inspected during installation.

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Utah National Guard 12953 South Minuteman Drive

Draper, Utah 84020-1726

ENGINEERS CONSULTING STRUCTURAL ENGINEERS

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Tel: (801) 222-0922 Fax: (801) 222-0902

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TASS COMPLEX **CAMP WILLIAMS** 

UTAH NATIONAL GUARD

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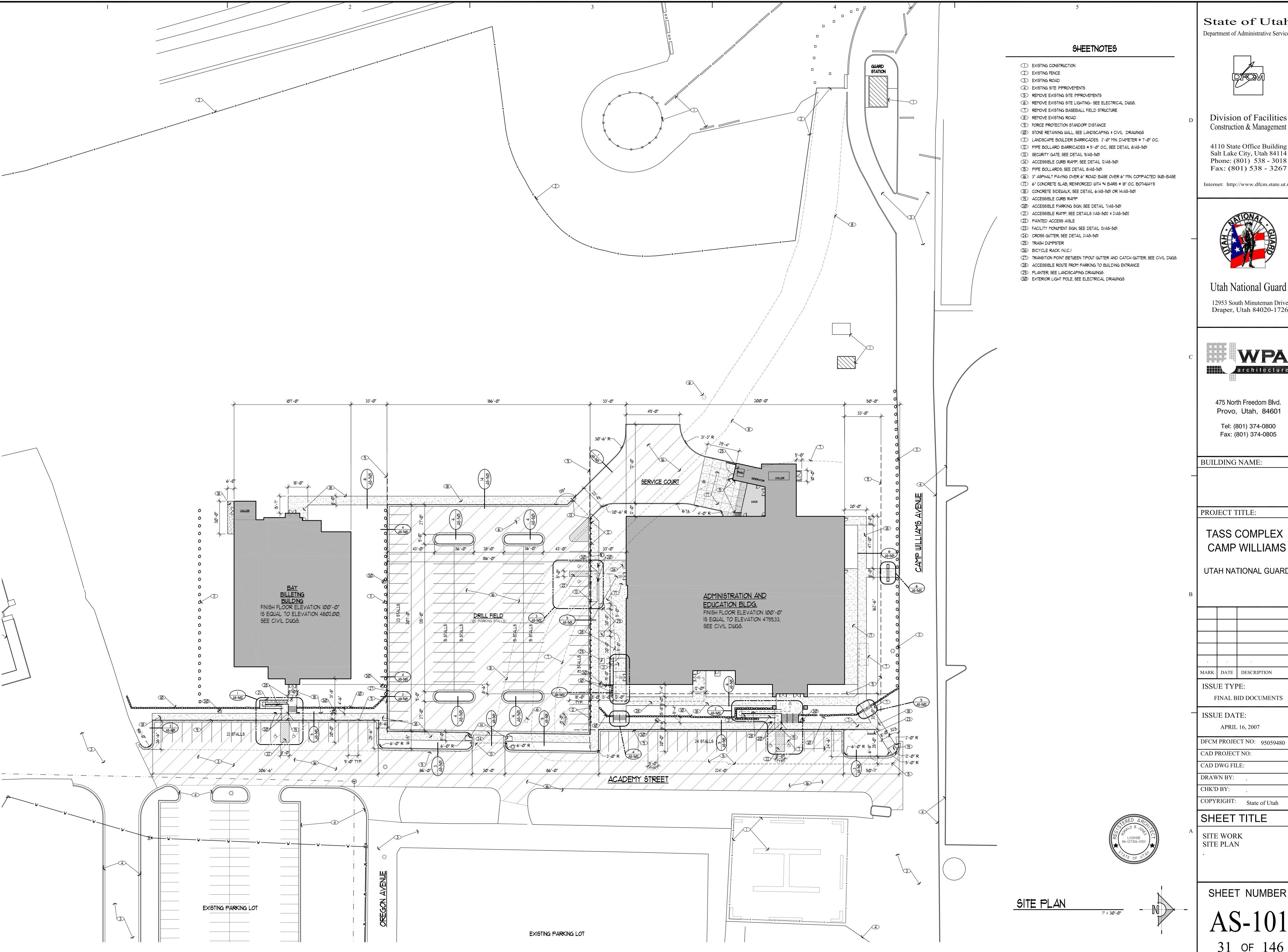
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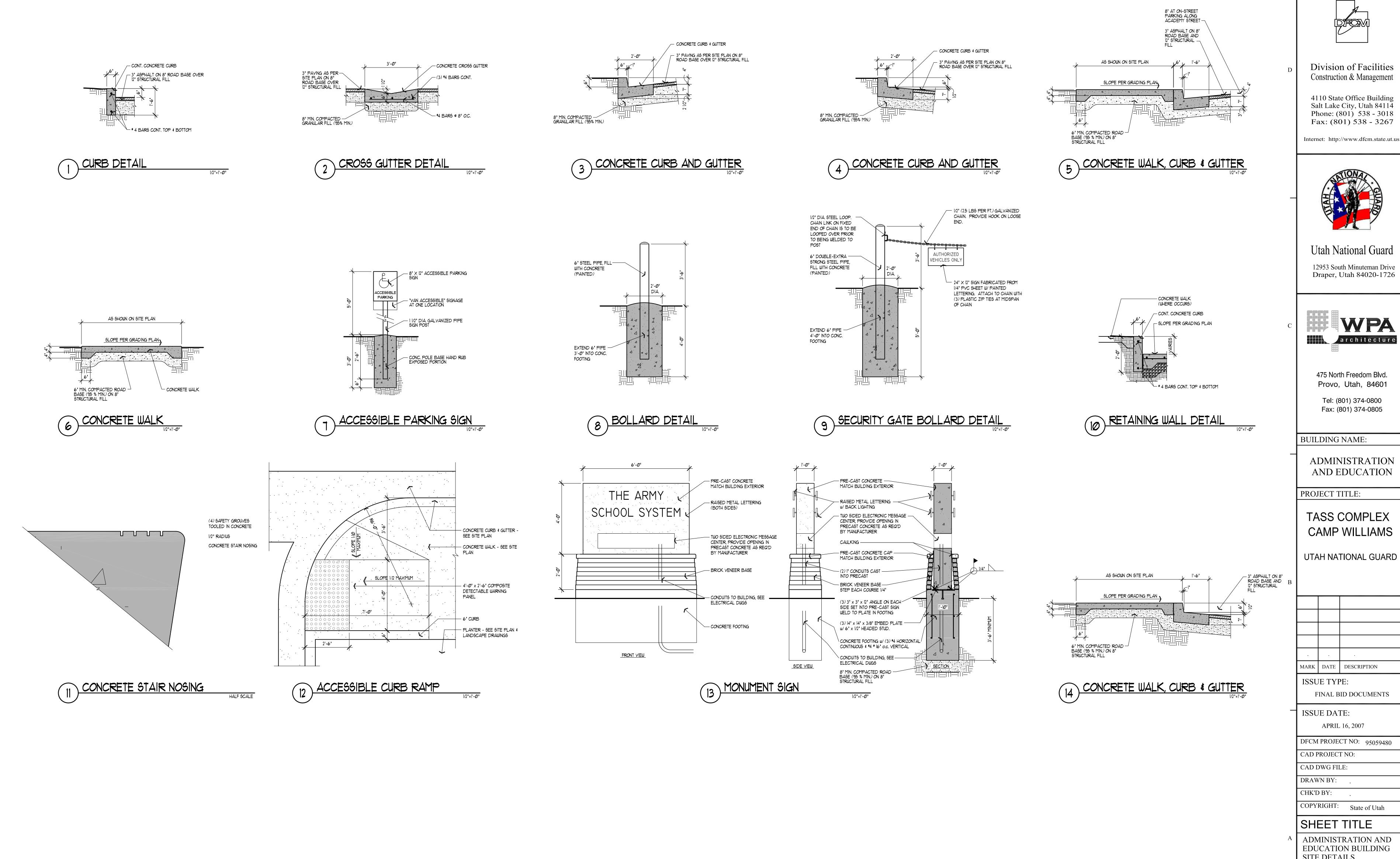
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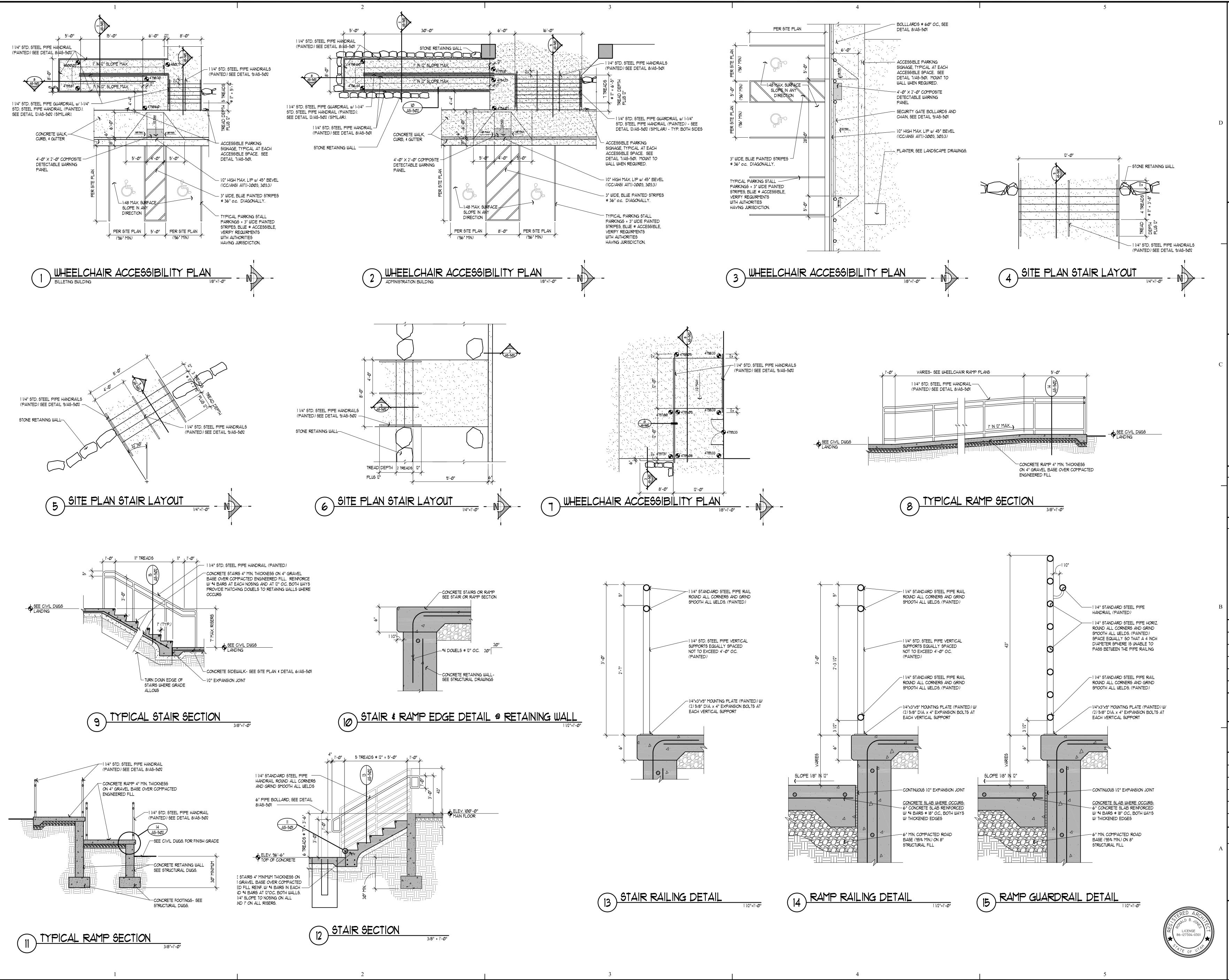
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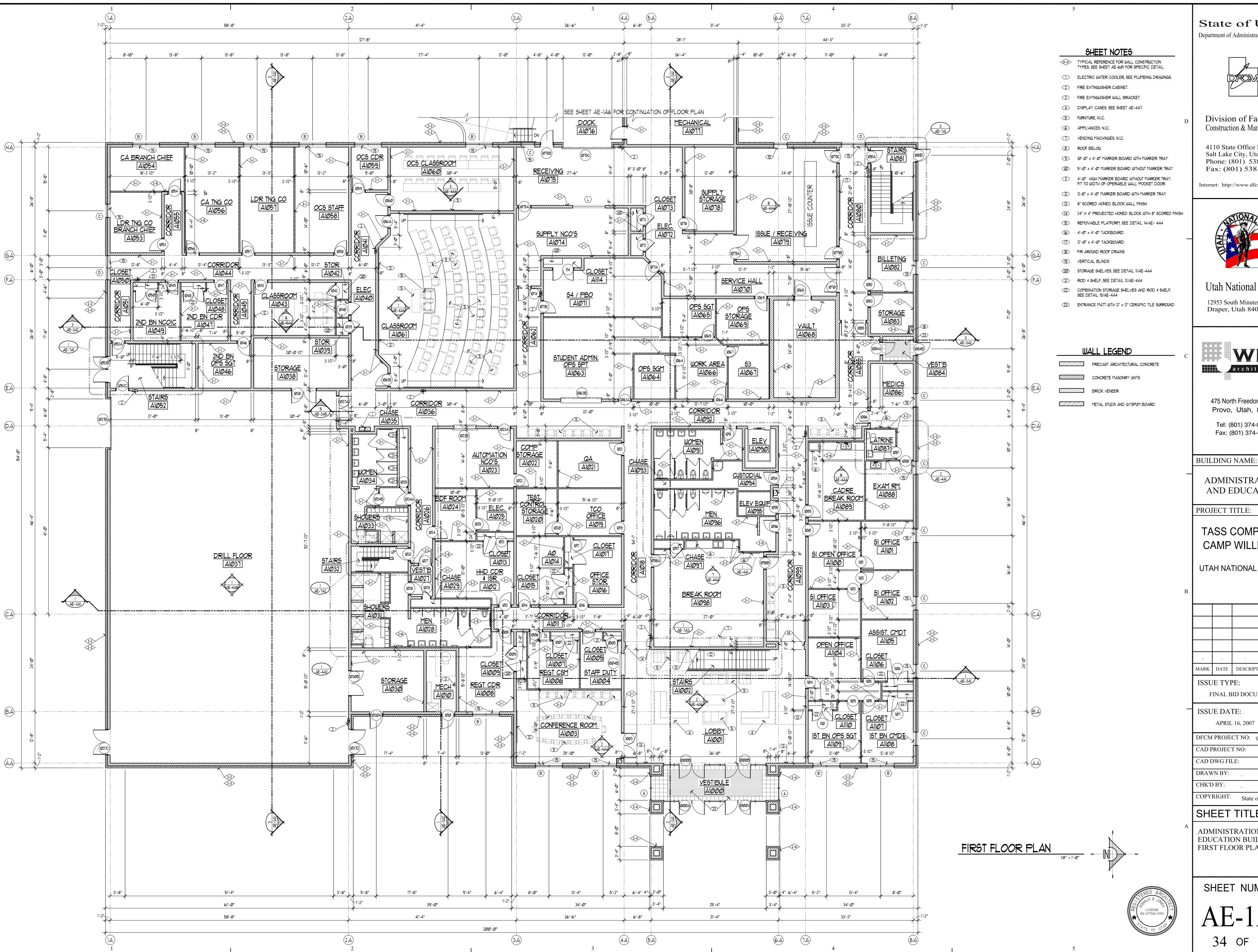
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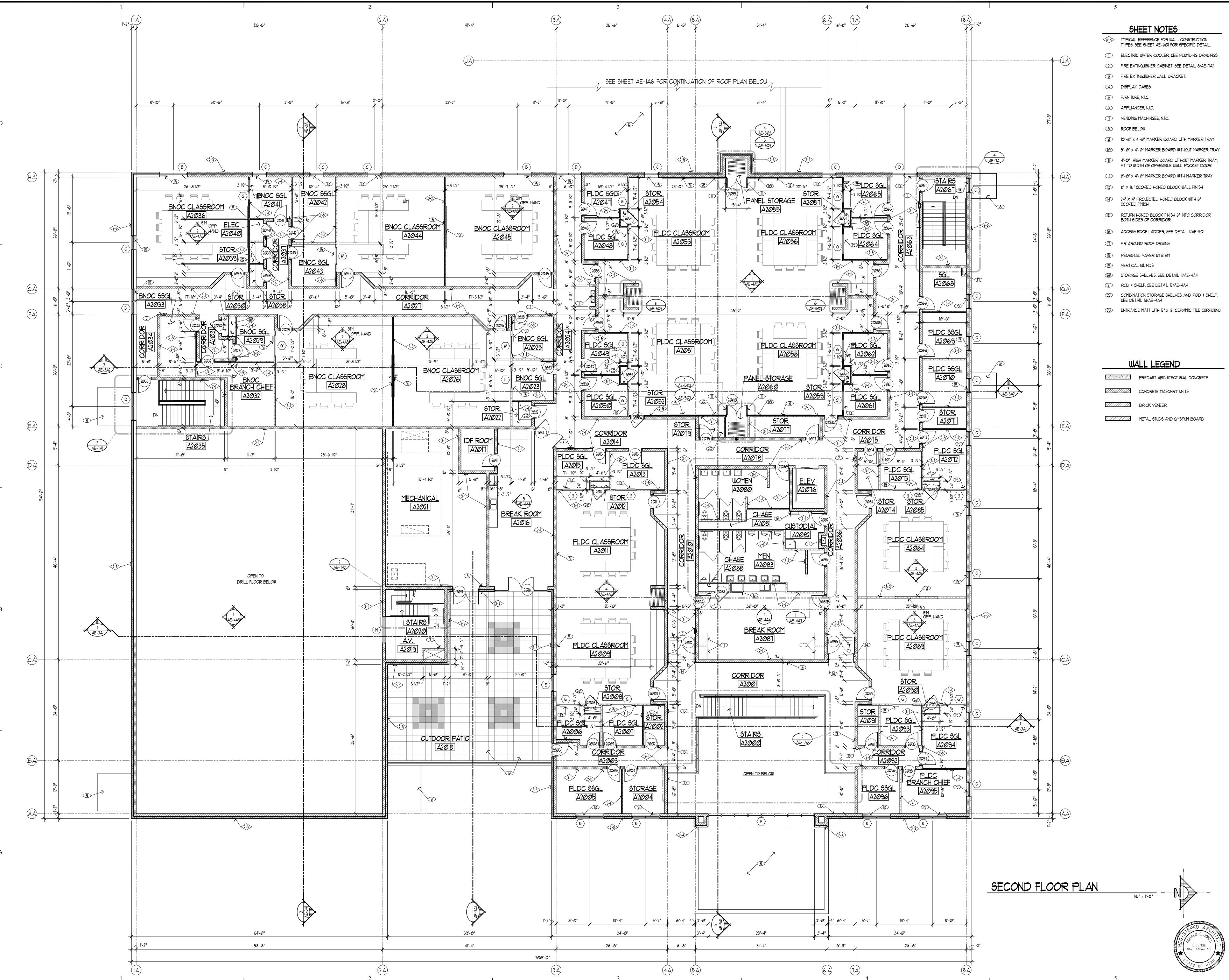
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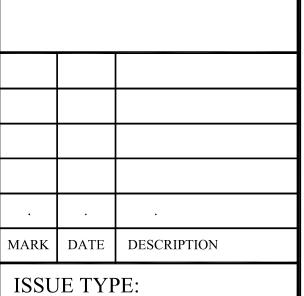
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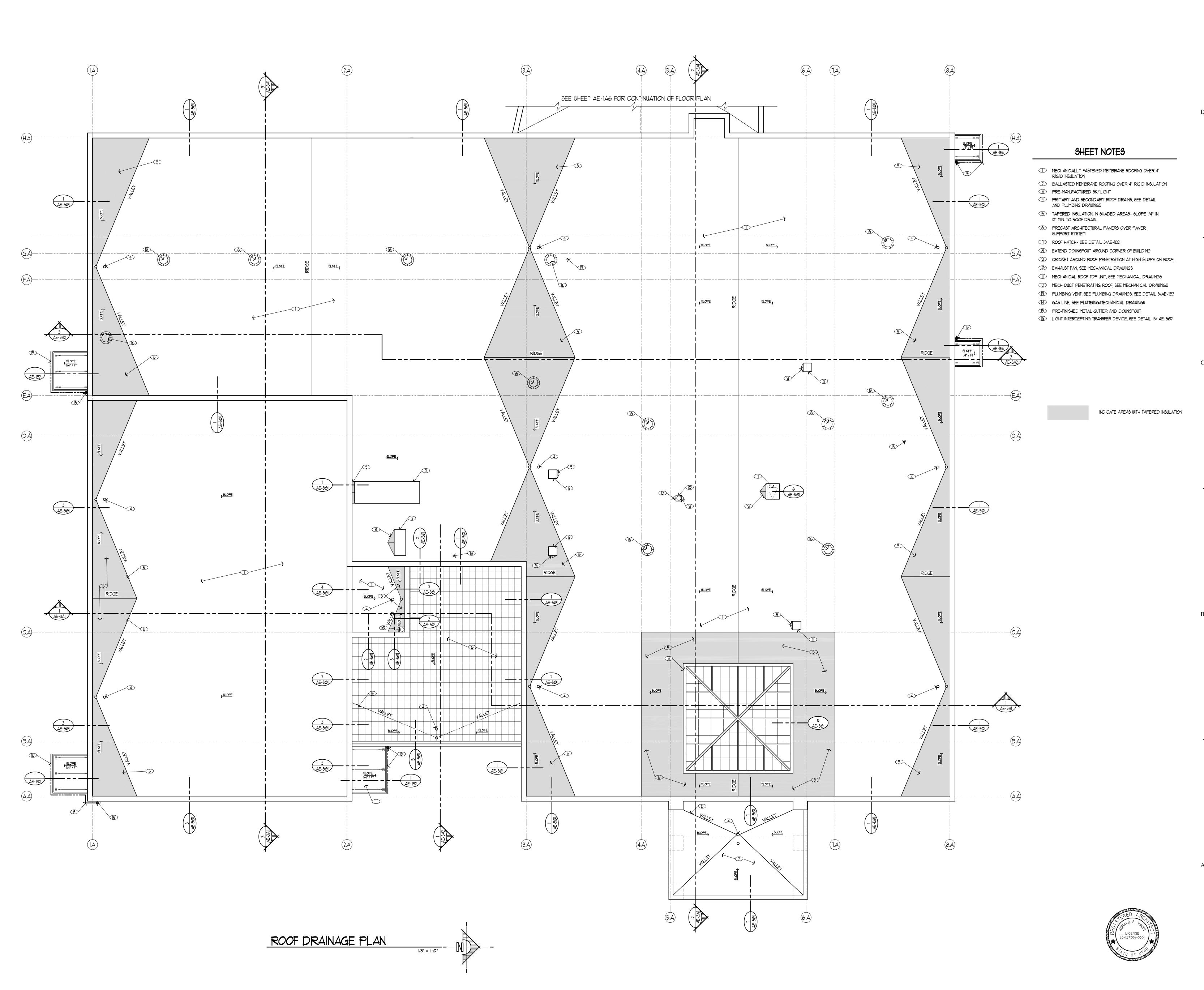
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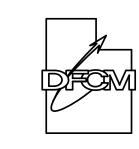
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ADMINISTRATION AND EDUCATION BUILDING SECOND FLOOR PLAN

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AE-1A2





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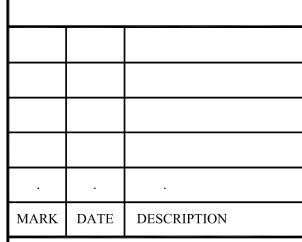
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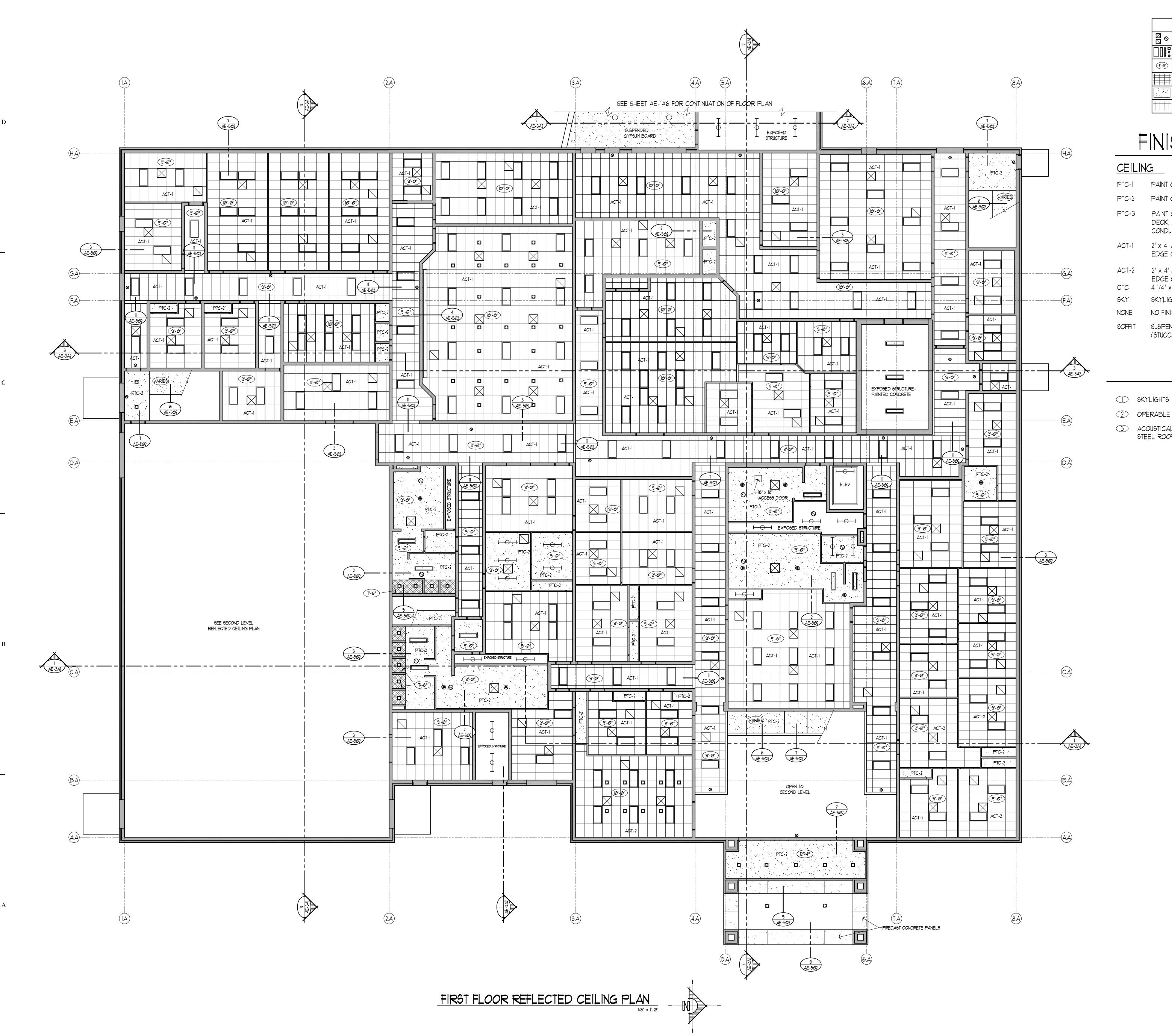
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AE-1A3



# CEILING LEGEND

MECHANICAL SUPPLY AND RETURN AIR GRILLES, EXHAUST FANS (SEE MECHANICAL PLANS)

MISC. LIGHTING FIXTURES, EXIT FIXTURES, ETC. (SEE ELECTRICAL PLANS) 9'-0" FINISHED CEILING HEIGHT (FROM FINISHED FLOOR LINE OF RESPECTIVE ROOM)

24" x 48" SUSPENDED (ACOUSTIC TILE) CEILING SYSTEM. (ACT-I)

5/8" TEXURED GYPSUM BOARD, PAINTED 8' X 16' SCORED HONED FINISH HEADER BLOCK

# FINISH LEGEND

PAINT ON EXPOSED STRUCTURE

PAINT ON SUSPENDED GYPSUM BOARD

PAINT ON EXPOSED STEEL TRUSSES, STEEL DECK, ACOUSTICAL PANELS, DUCTWORK, CONDUITS, PIPING, ETC

2' x 4' ACOUSTICAL CEILING TILE WITH SQUARE EDGE ON T-BAR GRID

 $2' \times 4'$  ACOUSTICAL CEILING TILE WITH TEGULAR EDGE ON T-BAR GRID

4 1/4" x 4 1/4" CERAMIC TILE CEILING

SKYLIGHT

NO FINISH ON EXPOSED STRUCTURE

SUSPEND PORTLAND CEMENT PLASTER (STUCCO) SOFFIT

# SHEETNOTES

2 OPERABLE WALL TRACKS

3 ACOUSTICAL PANELS ATTACHED TO STEEL ROOF DECK, SEE DETAIL 13/AE-502

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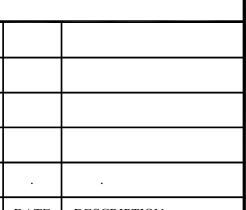
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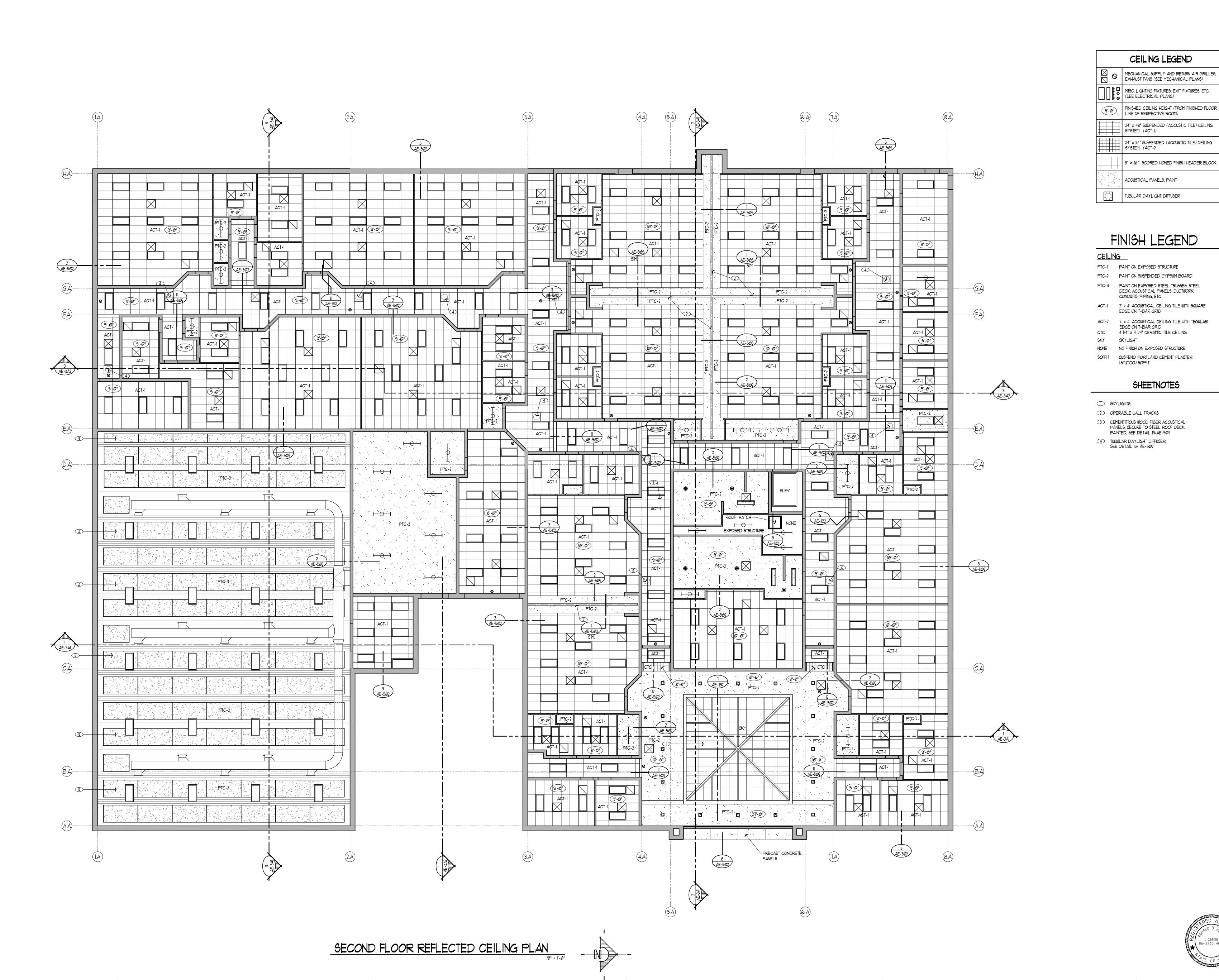
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# SHEET TITLE

ADMINISTRATION AND EDUCATION BUILDING REFLECTED CEILING PLAN

SHEET NUMBER





CEILING LEGEND

MISC. LIGHTING FIXTURES, EXIT FIXTURES, ETC.

FINISHED CEILING HEIGHT (FROM FINISHED FLOOR LINE OF RESPECTIVE ROOM)

24" x 48" SUSPENDED (ACOUSTIC TILE) CEILING

24" x 24" SUSPENDED (ACOUSTIC TILE) CEILING

 $8' \times 16'$  SCORED HONED FINISH HEADER BLOCK

SYSTEM. (ACT-1)

SYSTEM. (ACT-2

ACOUSTICAL PANELS, PAINT

TUBULAR DAYLIGHT DIFFUSER

FINISH LEGEND

PAINT ON EXPOSED STEEL TRUSSES, STEEL DECK, ACOUSTICAL PANELS, DUCTWORK, CONDUITS, PIPING, ETC

EDGE ON T-BAR GRID

EDGE ON T-BAR GRID

SKYLIGHT

(STUCCO) SOFFIT

4 1/4" x 4 1/4" CERAMIC TILE CEILING

NO FINISH ON EXPOSED STRUCTURE

SUSPEND PORTLAND CEMENT PLASTER

SHEETNOTES

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Utah National Guard

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475 North Freedom Blvd. Provo, Utah, 84601

Tel: (801) 374-0800

Fax: (801) 374-0805

**ADMINISTRATION** AND EDUCATION

PROJECT TITLE:

BUILDING NAME:

TASS COMPLEX CAMP WILLIAMS

UTAH NATIONAL GUARD

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DΚ	DATE	DESCRIPTION

ISSUE TYPE:

FINAL BID DOCUMENTS

ISSUE DATE:

APRIL 16, 2007

DFCM PROJECT NO: 95059480

CAD PROJECT NO:

CAD DWG FILE:

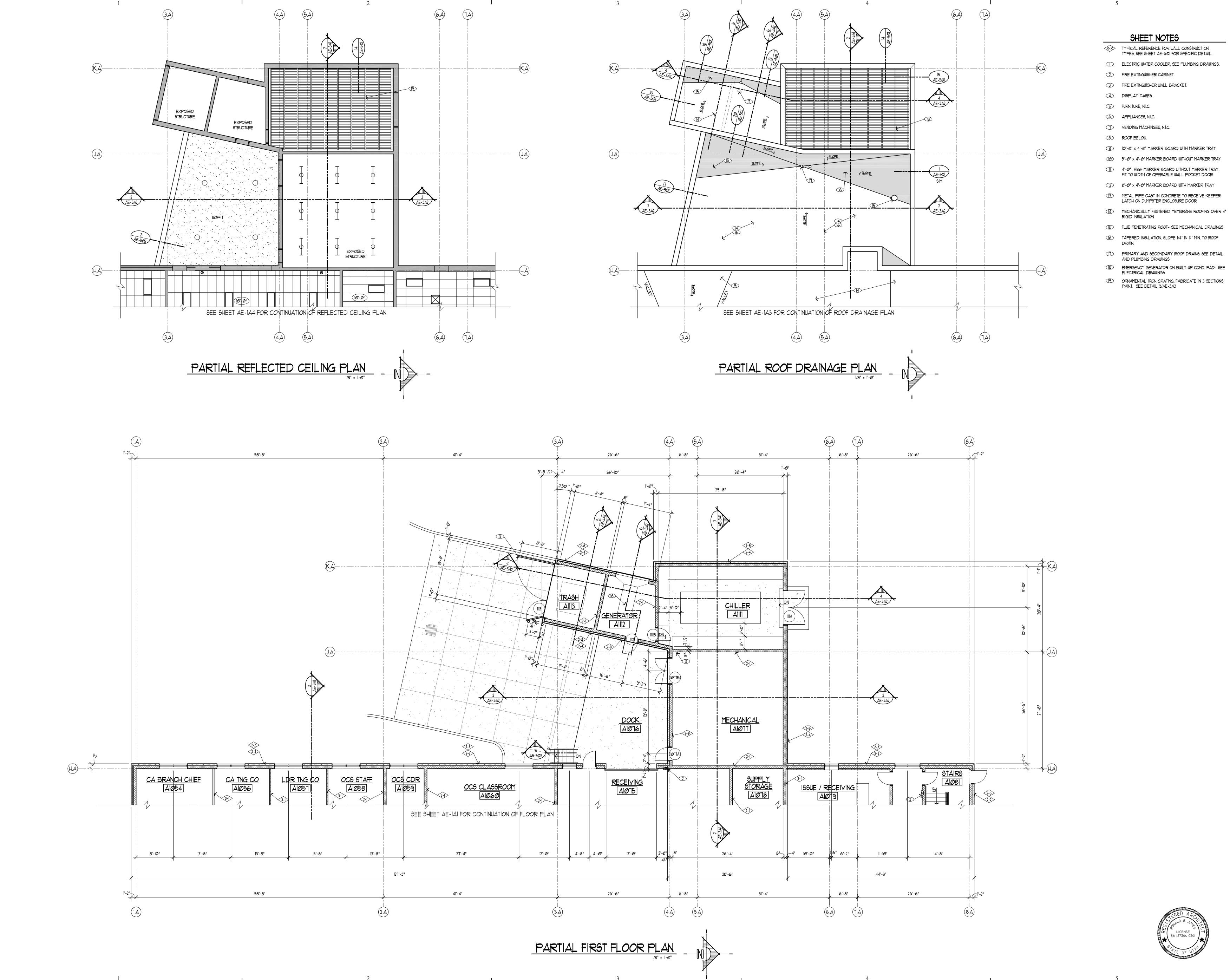
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# SHEET TITLE

ADMINISTRATION AND EDUCATION BUILDING SECOND FLOOR REFLECTED CEILING PLAN

SHEET NUMBER



SHEET NOTES

- TYPICAL REFERENCE FOR WALL CONSTRUCTION TYPES, SEE SHEET AE-601 FOR SPECIFIC DETAIL.
- ELECTRIC WATER COOLER, SEE PLUMBING DRAWINGS.
- FIRE EXTINGUISHER WALL BRACKET.
- 5'-0" x 4'-0" MARKER BOARD WITHOUT MARKER TRAY
- 4'-0' HIGH MARKER BOARD WITHOUT MARKER TRAY, FIT TO WIDTH OF OPERABLE WALL POCKET DOOR
- (3) METAL PIPE CAST IN CONCRETE TO RECEIVE KEEPER LATCH ON DUMPSTER ENCLOSURE DOOR
- 5 FLUE PENETRATING ROOF- SEE MECHANICAL DRAWINGS
- TAPERED INSULATION. SLOPE 1/4" IN 12" MIN. TO ROOF DRAIN.
- AND PLUMBING DRAWINGS
- (B) EMERGENCY GENERATOR ON BUILT-UP CONC. PAD- SEE ELECTRICAL DRAWINGS
- ORNAMENTAL IRON GRATING, FABRICATE IN 3 SECTIONS, PAINT. SEE DETAIL 9/AE-3A3

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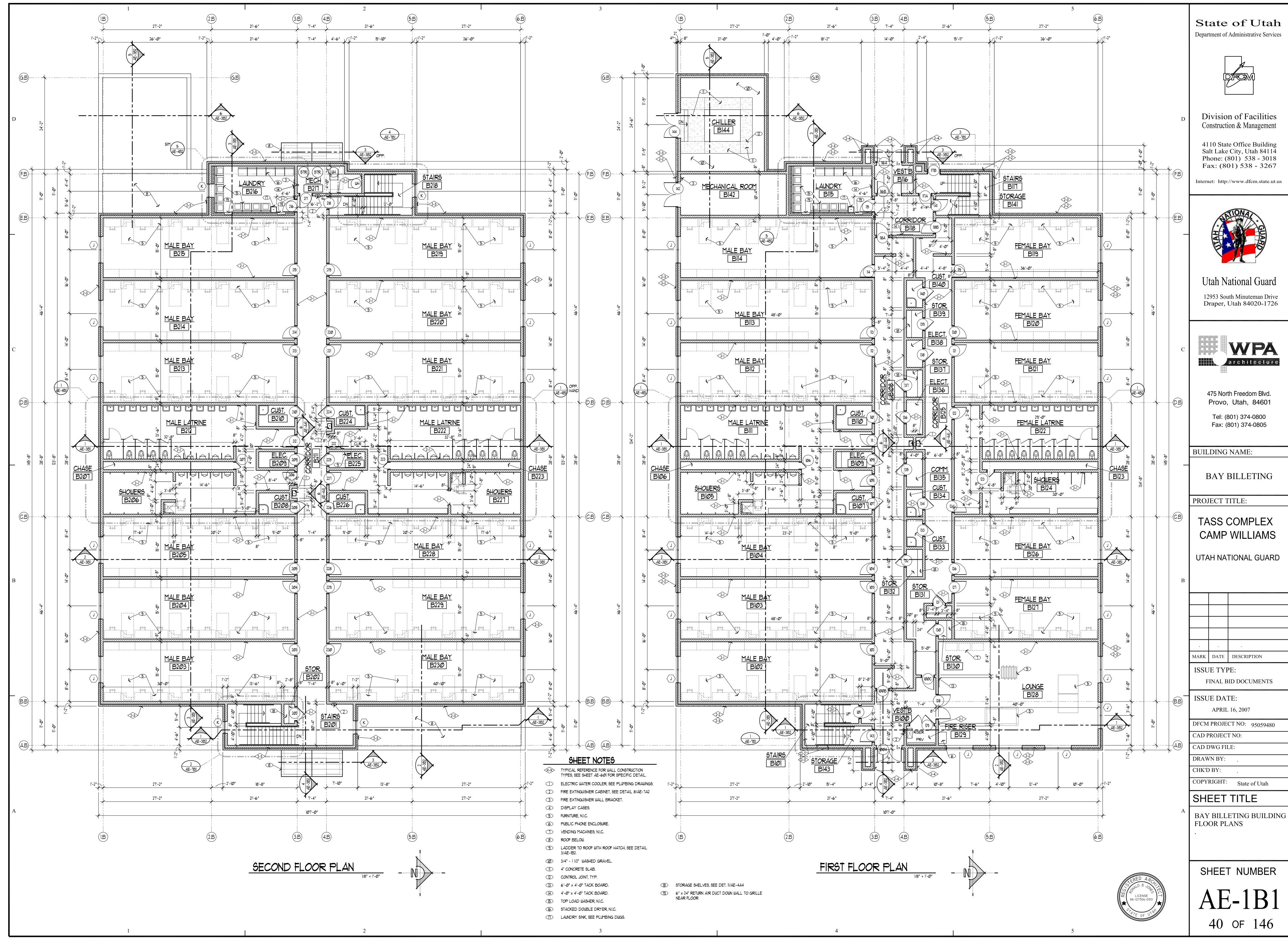
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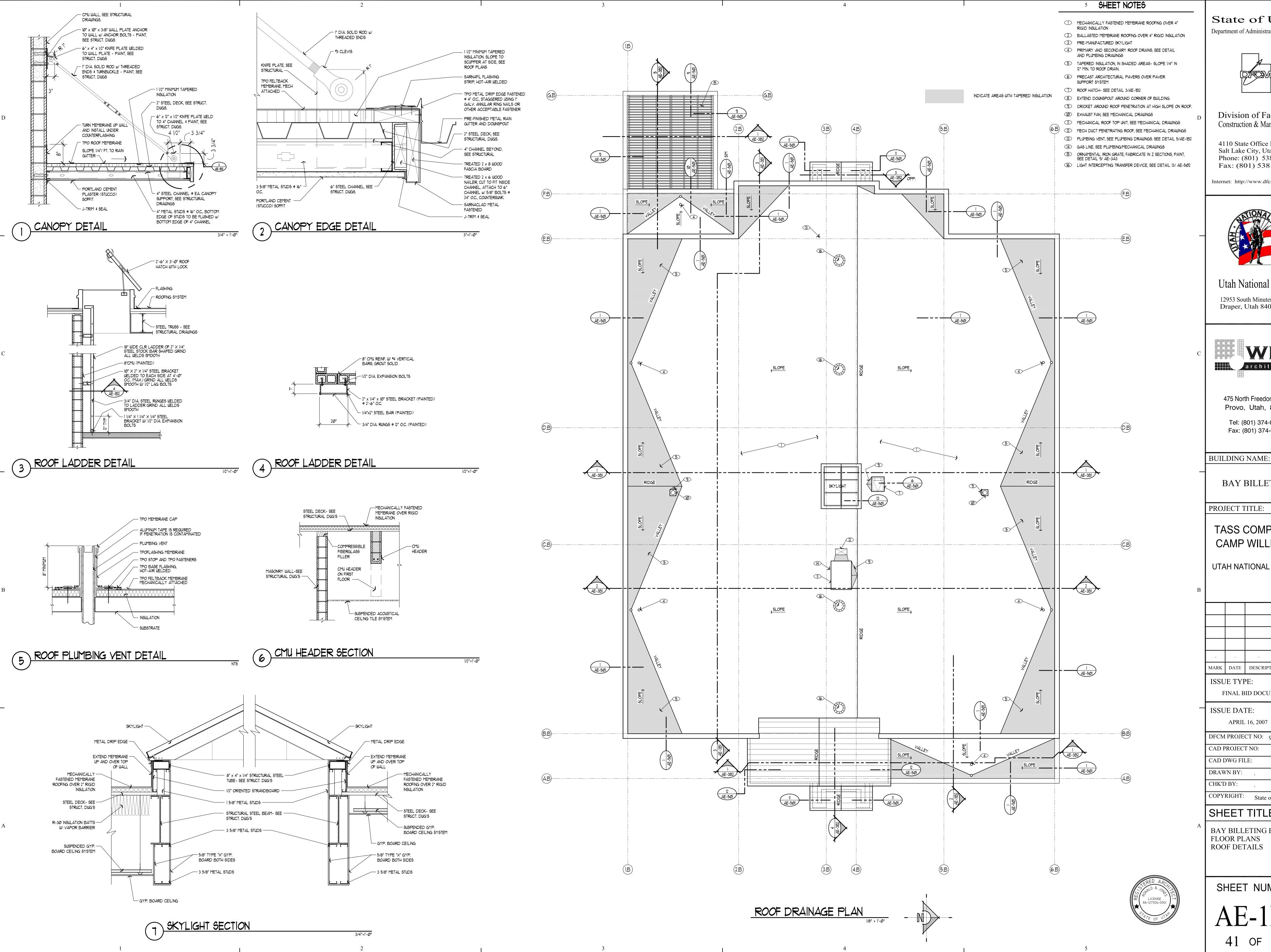
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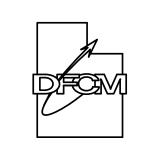
SHEET TITLE

ADMINISTRATION AND EDUCATION BUILDING FIRST FLOOR PLAN

SHEET NUMBER







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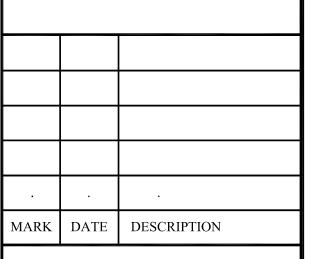
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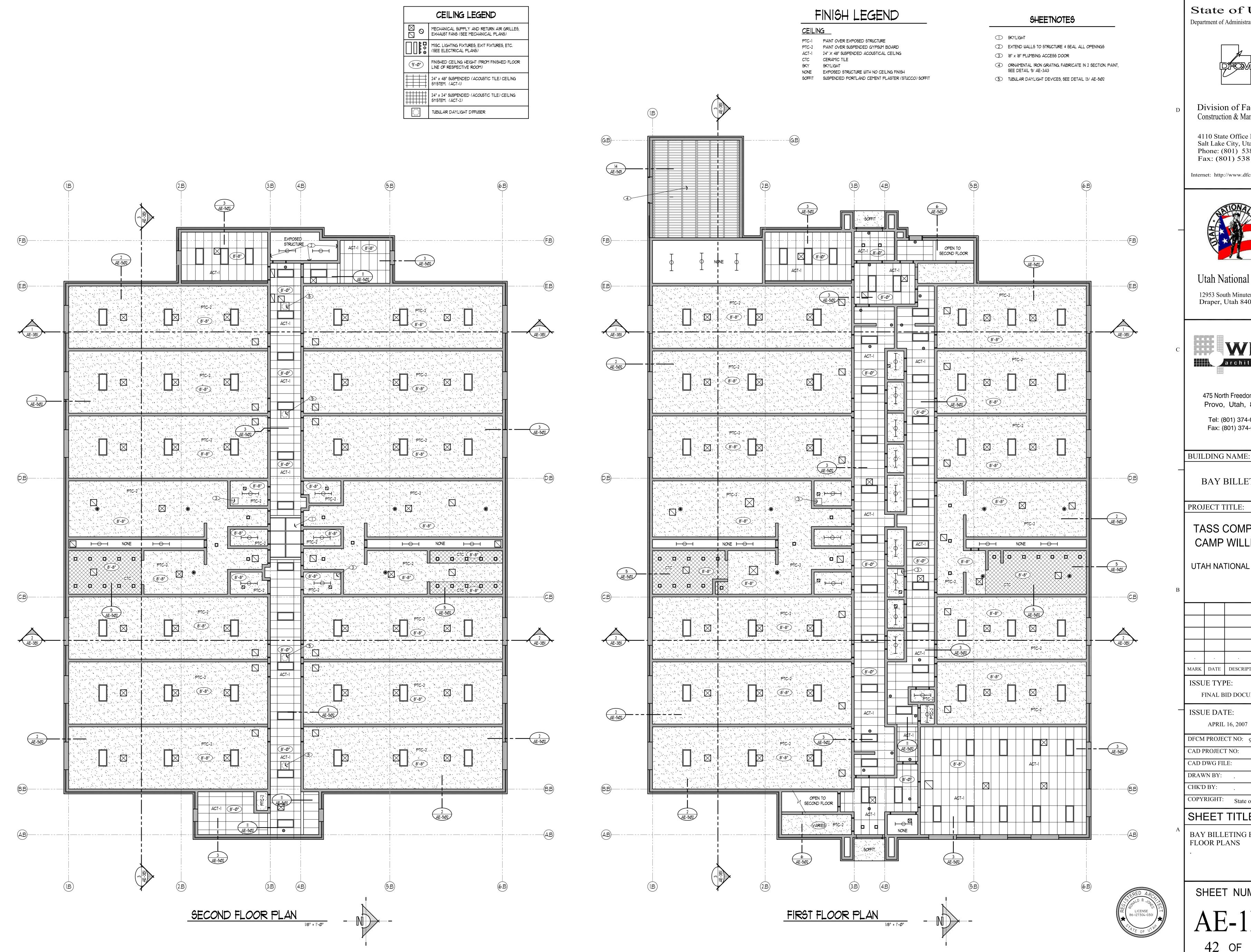
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Tel: (801) 374-0800

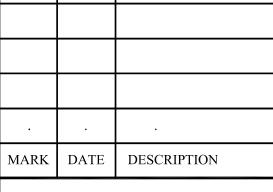
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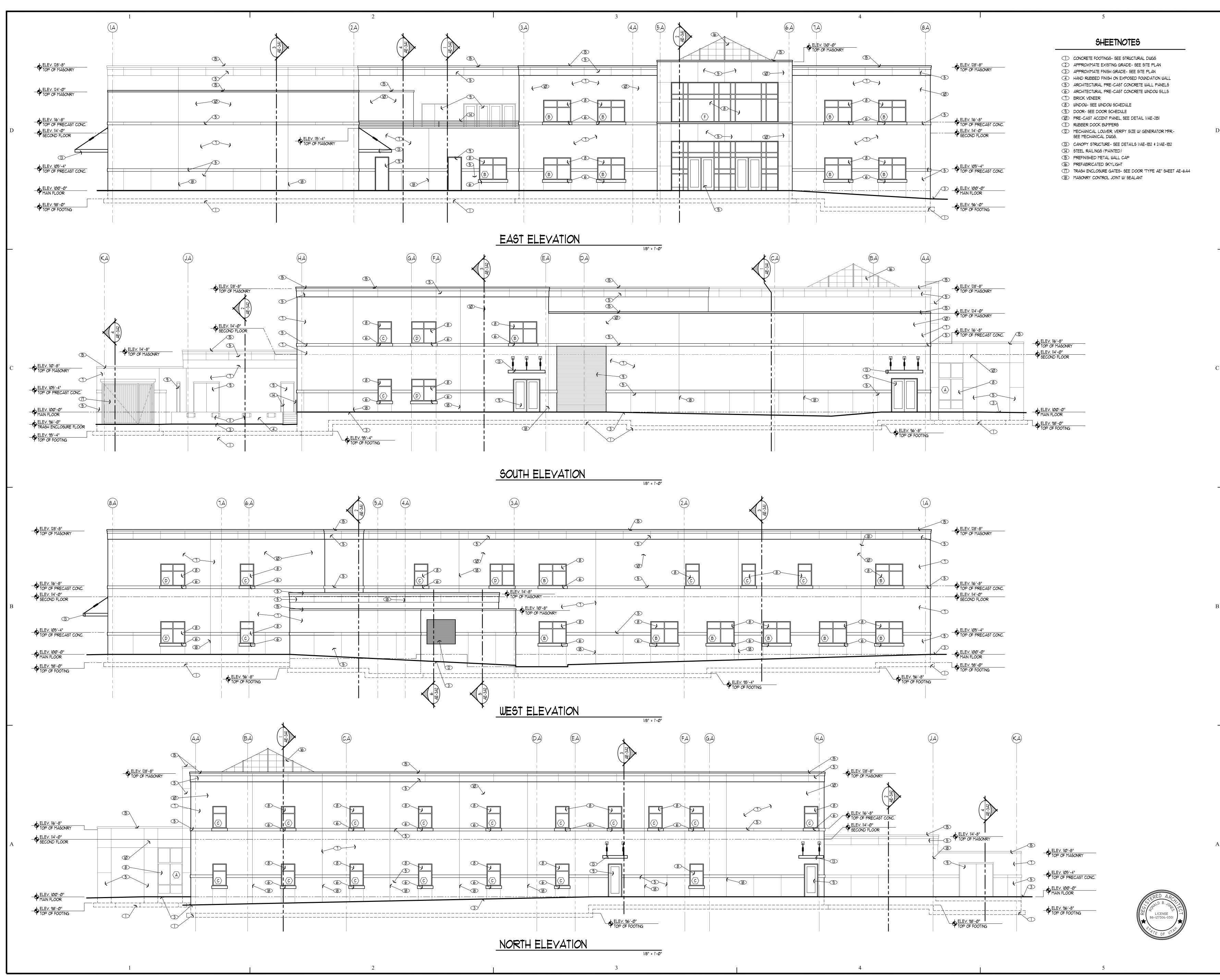
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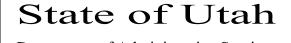
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architecture

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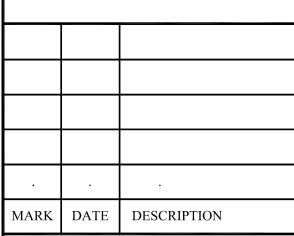
BUILDING NAME:

ADMINISTRATION AND EDUCATION

PROJECT TITLE:

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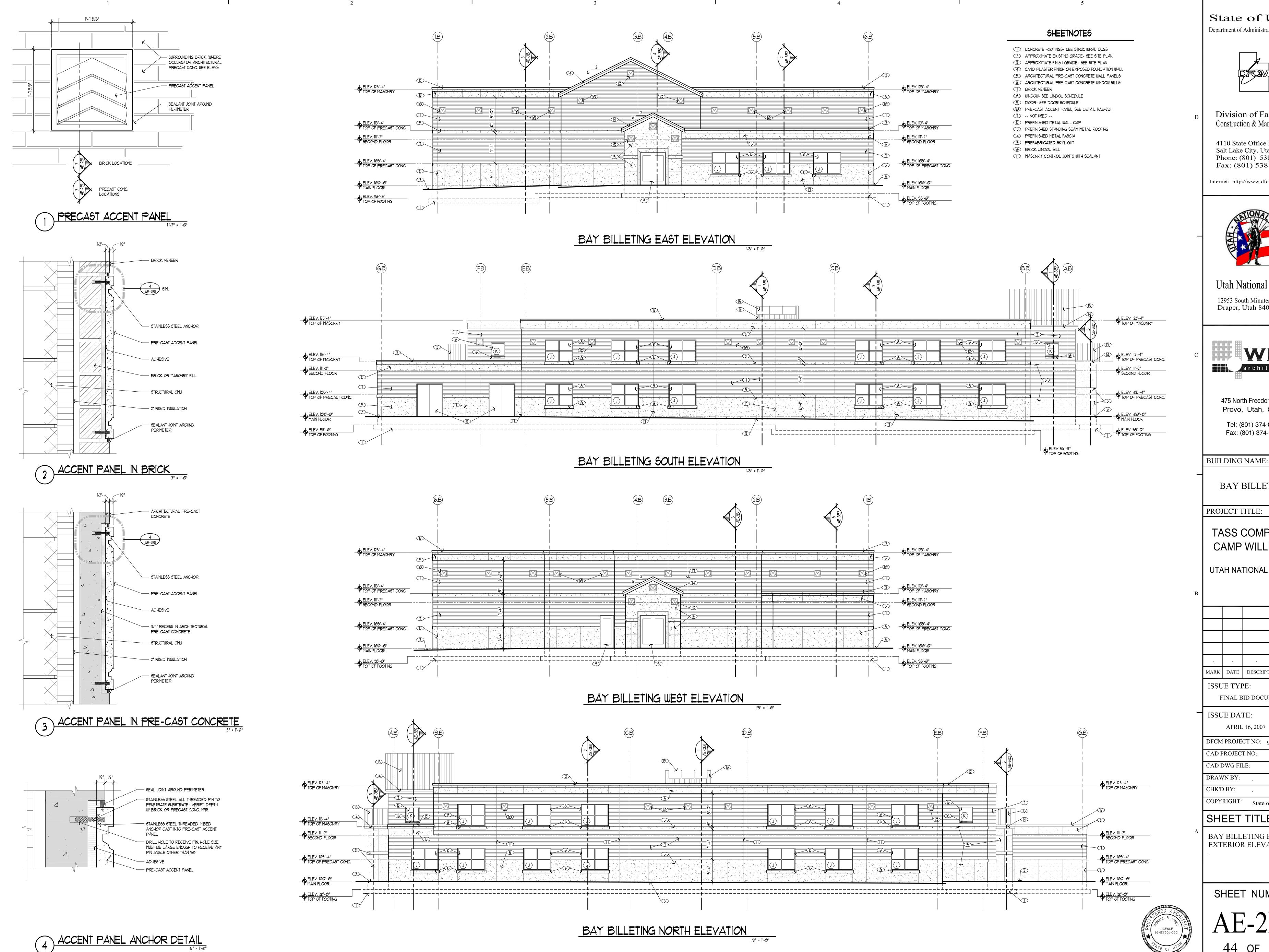
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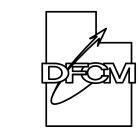
# SHEET TITLE

ADMINISTRATION AND EDUCATION BUILDING EXTERIOR ELEVATIONS

SHEET NUMBER

AE-2A1





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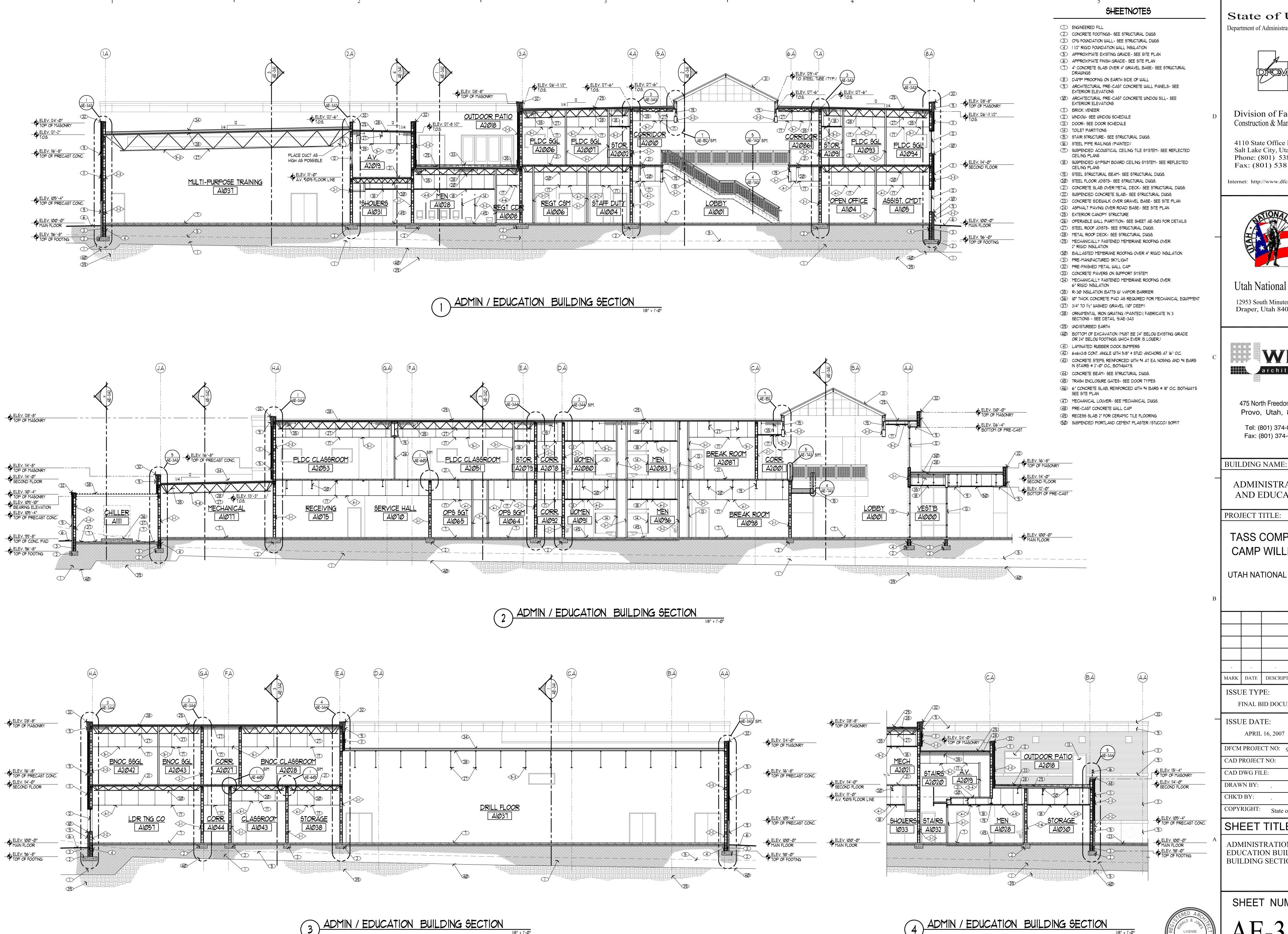
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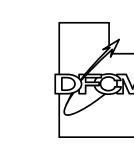
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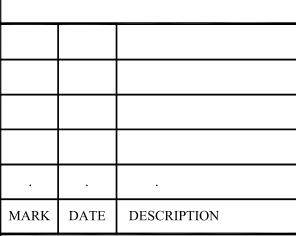
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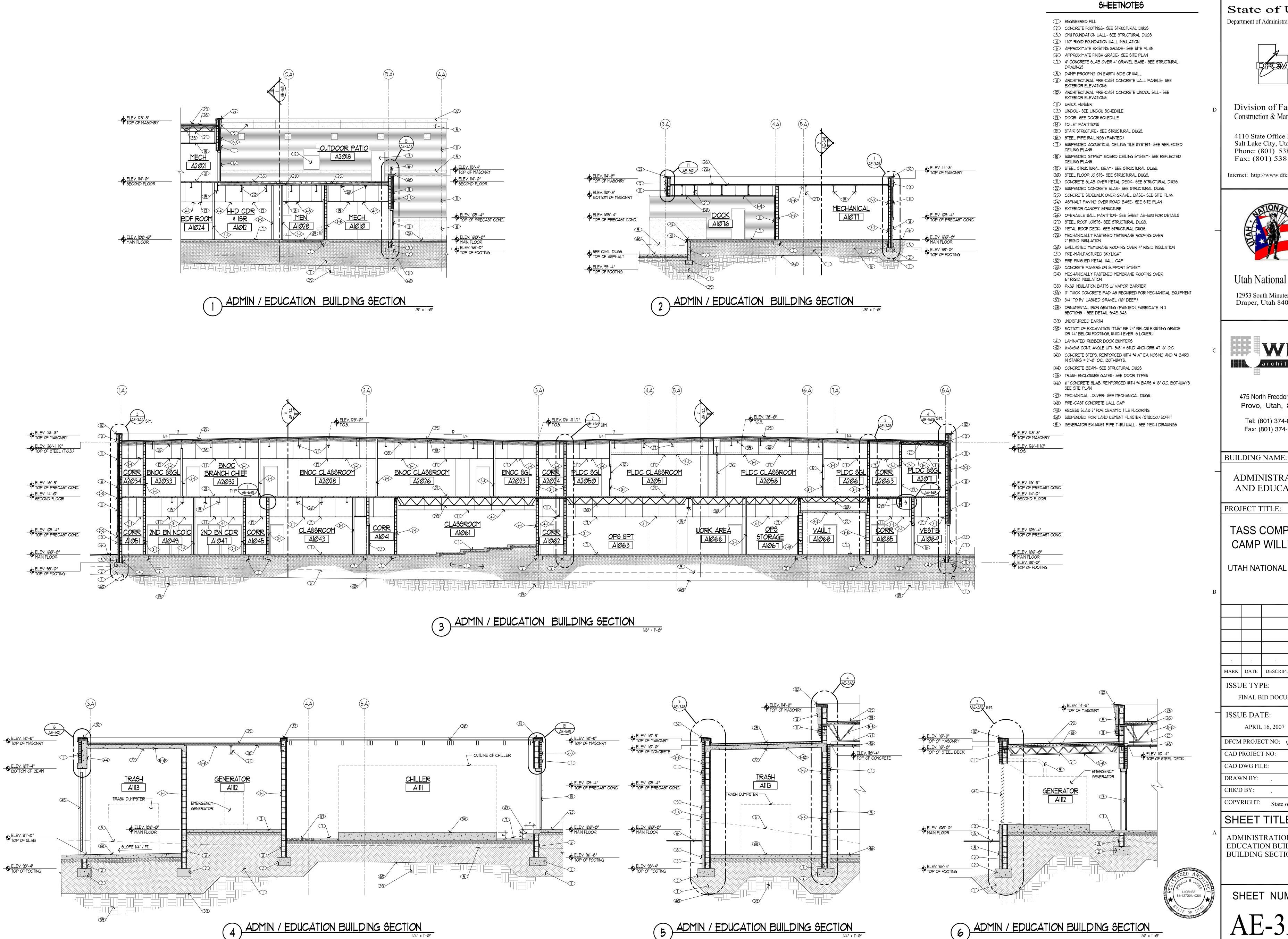
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ADMINISTRATION AND **EDUCATION BUILDING** BUILDING SECTIONS

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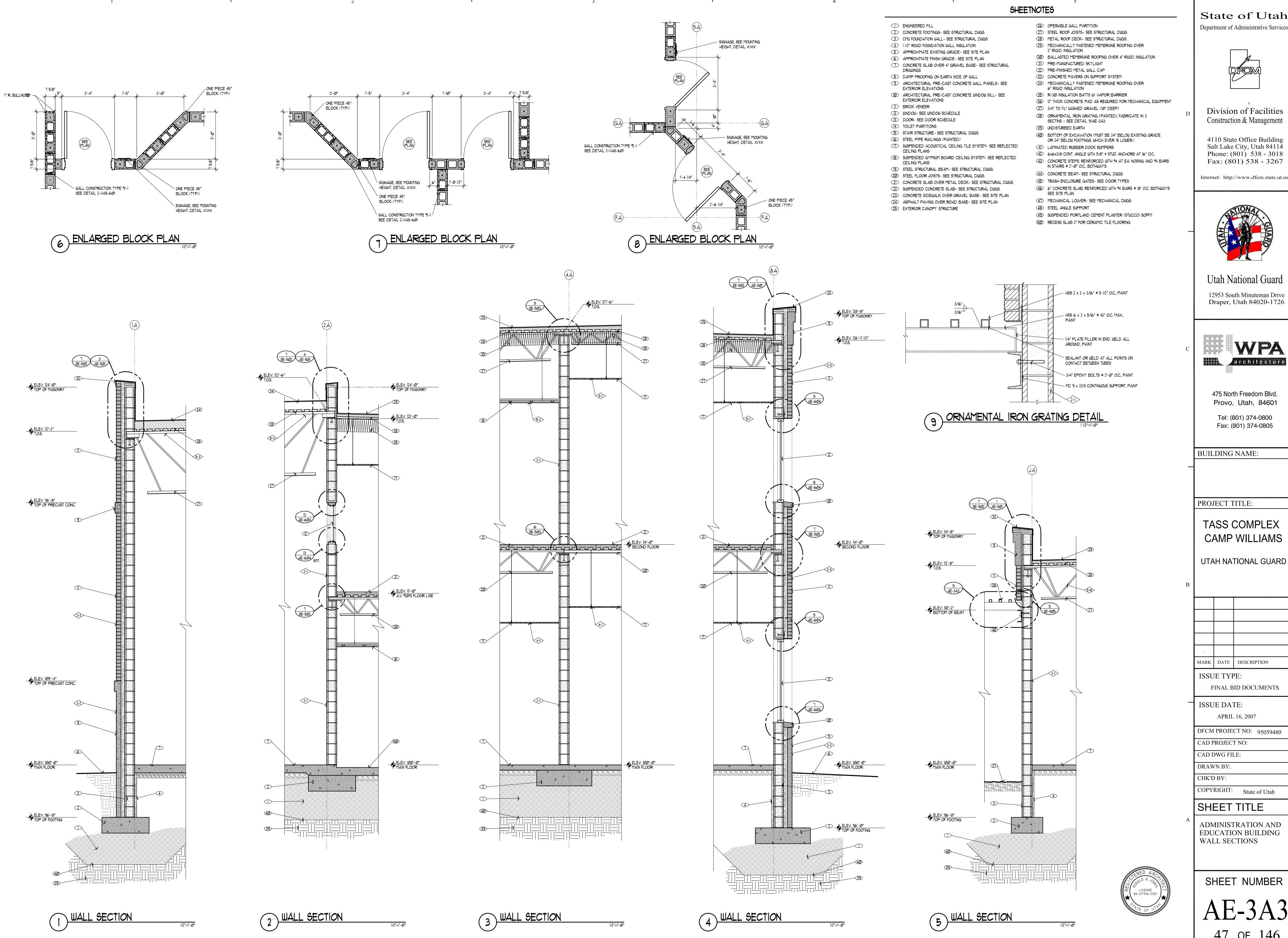
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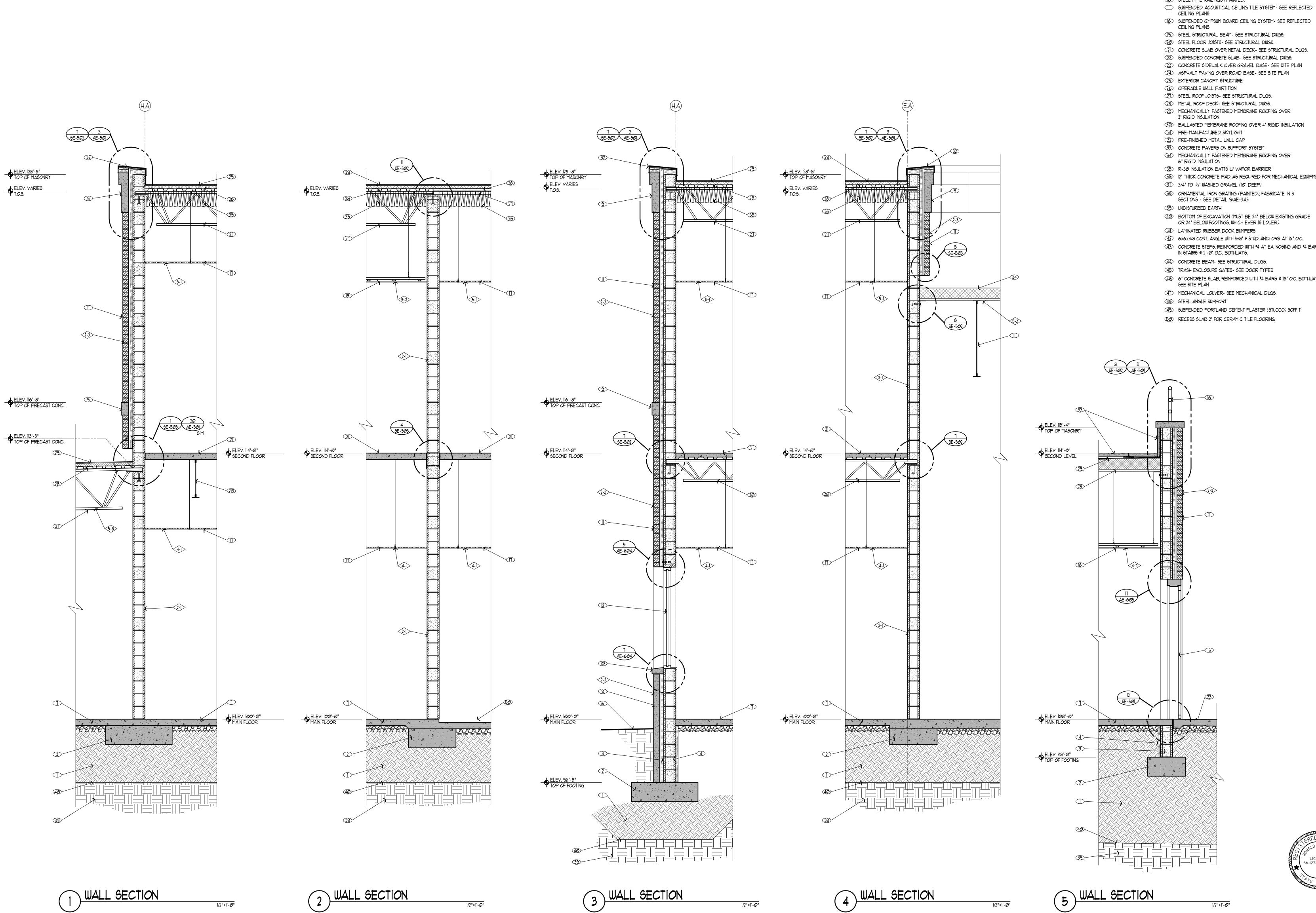
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ADMINISTRATION AND EDUCATION BUILDING WALL SECTIONS

SHEET NUMBER



# SHEETNOTES

- 2 CONCRETE FOOTINGS SEE STRUCTURAL DWGS
- 3 CMU FOUNDATION WALL- SEE STRUCTURAL DWGS 4 1 1/2" RIGID FOUNDATION WALL INSULATION
- 5 APPROXIMATE EXISTING GRADE- SEE SITE PLAN
- 6 APPROXIMATE FINISH GRADE- SEE SITE PLAN ONCRETE SLAB OVER 4' GRAVEL BASE- SEE STRUCTURAL
- 8 DAMP PROOFING ON EARTH SIDE OF WALL
- 9 ARCHITECTURAL PRE-CAST CONCRETE WALL PANELS- SEE
  - EXTERIOR ELEVATIONS
- ARCHITECTURAL PRE-CAST CONCRETE WINDOW SILL- SEE EXTERIOR ELEVATIONS
- BRICK VENEER
- 12 WINDOW- SEE WINDOW SCHEDULE 3 DOOR- SEE DOOR SCHEDULE
- (4) TOILET PARTITIONS
- (15) STAIR STRUCTURE- SEE STRUCTURAL DWGS. 6 STEEL PIPE RAILINGS (PAINTED)
- 8 SUSPENDED GYPSUM BOARD CEILING SYSTEM- SEE REFLECTED

- 22) SUSPENDED CONCRETE SLAB- SEE STRUCTURAL DWGS.
- 23) CONCRETE SIDEWALK OVER GRAVEL BASE- SEE SITE PLAN
- 27) STEEL ROOF JOISTS- SEE STRUCTURAL DUGS.
- 29) MECHANICALLY FASTENED MEMBRANE ROOFING OVER

- 36 12" THICK CONCRETE PAD AS REQUIRED FOR MECHANICAL EQUIPMENT
- 38) ORNAMENTAL IRON GRATING (PAINTED), FABRICATE IN 3
- 40 BOTTOM OF EXCAVATION (MUST BE 24" BELOW EXISTING GRADE
- 42) 6x6x3/8 CONT. ANGLE WITH 5/8" \$ STUD ANCHORS AT 16" O.C. 43) CONCRETE STEPS, REINFORCED WITH \*4 AT EA. NOSING AND \*4 BARS
- 4 CONCRETE BEAM- SEE STRUCTURAL DUGS.
- 45) TRASH ENCLOSURE GATES- SEE DOOR TYPES
- 46 6' CONCRETE SLAB, REINFORCED WITH #4 BARS @ 18' O.C. BOTHWAYS
- 49) SUSPENDED PORTLAND CEMENT PLASTER (STUCCO) SOFFIT



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SHEET TITLE

ADMINISTRATION AND EDUCATION BUILDING WALL SECTIONS

SHEET NUMBER

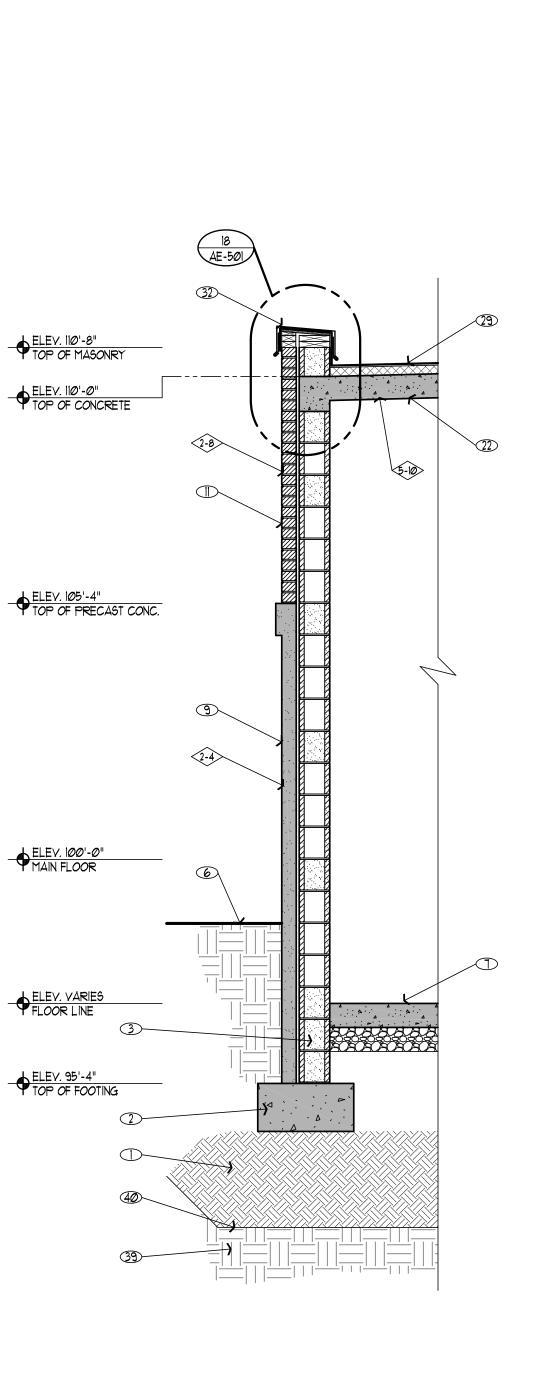
# ELEV. 114'-Ø" SECOND FLOOR

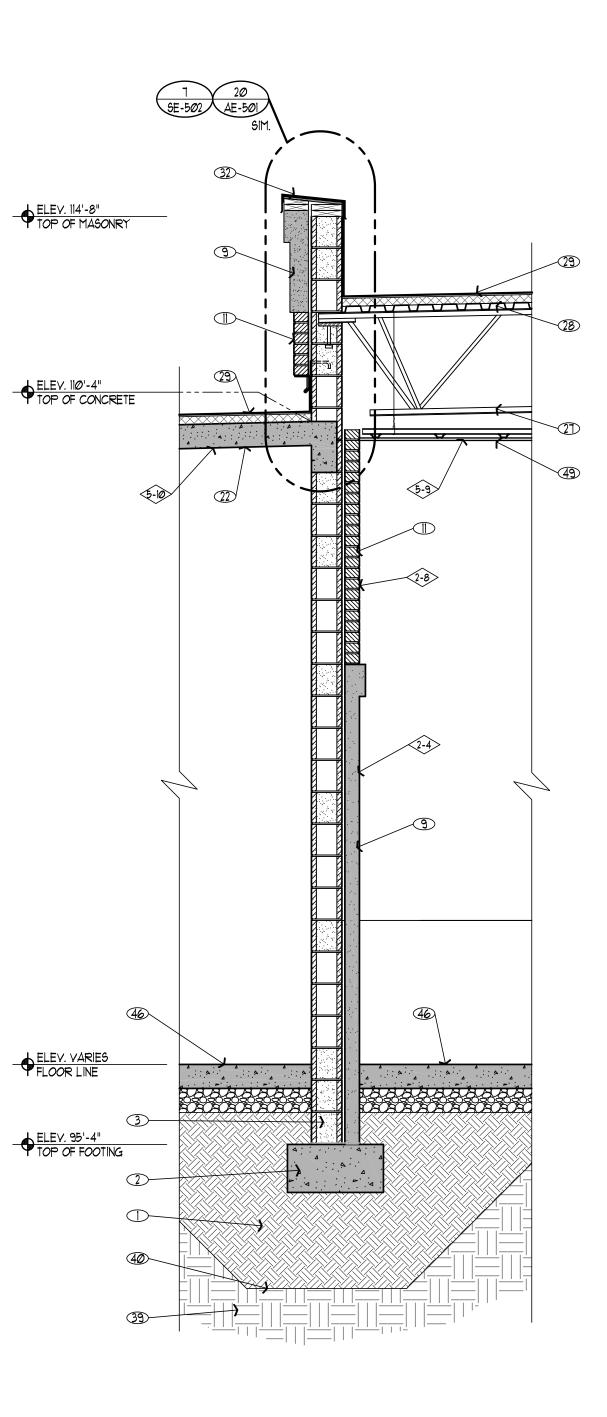
ELEV. 114'-8"
TOP OF MASONRY

ELEV. 105'-4"
TOP OF PRECAST CONC.

ELEV. 98'-0"
TOP OF FOOTING

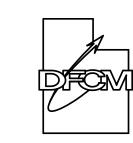
(1) WALL SECTION







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SHEETNOTES

2 CONCRETE FOOTINGS- SEE STRUCTURAL DUGS
3 CMU FOUNDATION WALL- SEE STRUCTURAL DUGS
4 1 1/2' RIGID FOUNDATION WALL INSULATION
5 APPROXIMATE EXISTING GRADE- SEE SITE PLAN
6 APPROXIMATE FINISH GRADE- SEE SITE PLAN

8 DAMP PROOFING ON EARTH SIDE OF WALL

(5) STAIR STRUCTURE - SEE STRUCTURAL DWGS.

EXTERIOR ELEVATIONS

EXTERIOR ELEVATIONS

WINDOW- SEE WINDOW SCHEDULEDOOR- SEE DOOR SCHEDULE

6 STEEL PIPE RAILINGS (PAINTED)

25 EXTERIOR CANOPY STRUCTURE26 OPERABLE WALL PARTITION

2" RIGID INSULATION

6" RIGID INSULATION

39 UNDISTURBED EARTH

48 STEEL ANGLE SUPPORT

3D PRE-MANUFACTURED SKYLIGHT
3D PRE-FINISHED METAL WALL CAP

33 CONCRETE PAVERS ON SUPPORT SYSTEM

3) 3/4' TO 11/2' WASHED GRAVEL (10' DEEP)

SECTIONS - SEE DETAIL 9/AE-3A3

4 LAMINATED RUBBER DOCK BUMPERS

IN STAIRS @ 2'-0' O.C., BOTHWAYS.

40 CONCRETE BEAM- SEE STRUCTURAL DWGS.

45 TRASH ENCLOSURE GATES- SEE DOOR TYPES

4D MECHANICAL LOUVER- SEE MECHANICAL DUGS.

© RECESS SLAB 2" FOR CERAMIC TILE FLOORING

35) R-30 INSULATION BATTS W/ VAPOR BARRIER

STEEL ROOF JOISTS- SEE STRUCTURAL DWGS.METAL ROOF DECK- SEE STRUCTURAL DWGS.

CONCRETE SLAB OVER 4' GRAVEL BASE- SEE STRUCTURAL

ARCHITECTURAL PRE-CAST CONCRETE WALL PANELS- SEE

ARCHITECTURAL PRE-CAST CONCRETE WINDOW SILL- SEE

5USPENDED ACOUSTICAL CEILING TILE SYSTEM- SEE REFLECTED

8 SUSPENDED GYPSUM BOARD CEILING SYSTEM- SEE REFLECTED

2D CONCRETE SLAB OVER METAL DECK- SEE STRUCTURAL DWGS.

9 STEEL STRUCTURAL BEAM- SEE STRUCTURAL DUGS.20 STEEL FLOOR JOISTS- SEE STRUCTURAL DUGS.

22) SUSPENDED CONCRETE SLAB- SEE STRUCTURAL DWGS.
 23) CONCRETE SIDEWALK OVER GRAVEL BASE- SEE SITE PLAN
 24) ASPHALT PAVING OVER ROAD BASE- SEE SITE PLAN

29 MECHANICALLY FASTENED MEMBRANE ROOFING OVER

34) MECHANICALLY FASTENED MEMBRANE ROOFING OVER

38) ORNAMENTAL IRON GRATING (PAINTED), FABRICATE IN 3

OR 24" BELOW FOOTINGS, WHICH EVER IS LOWER.)

40 BOTTOM OF EXCAVATION (MUST BE 24' BELOW EXISTING GRADE

42 6x6x3/8 CONT. ANGLE WITH 5/8" & STUD ANCHORS AT 16" O.C.

49 SUSPENDED PORTLAND CEMENT PLASTER (STUCCO) SOFFIT

ELEV. 114'-0"
SECOND FLOOR

43 CONCRETE STEPS, REINFORCED WITH \*4 AT EA. NOSING AND \*4 BARS

46 6' CONCRETE SLAB, REINFORCED WITH \*4 BARS @ 18' O.C. BOTHWAYS

30 BALLASTED MEMBRANE ROOFING OVER 4' RIGID INSULATION

36 12" THICK CONCRETE PAD AS REQUIRED FOR MECHANICAL EQUIPMENT

ENGINEERED FILL

DRAWINGS

BRICK VENEER

14 TOILET PARTITIONS

CEILING PLANS

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PROJECT TITLE:

BUILDING NAME:

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CAMP WILLIAMS

UTAH NATIONAL GUARD

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SHEET TITLE

A ADMINISTRATION AND EDUCATION BUILDING WALL SECTIONS

SHEET NUMBER

AE-3A5

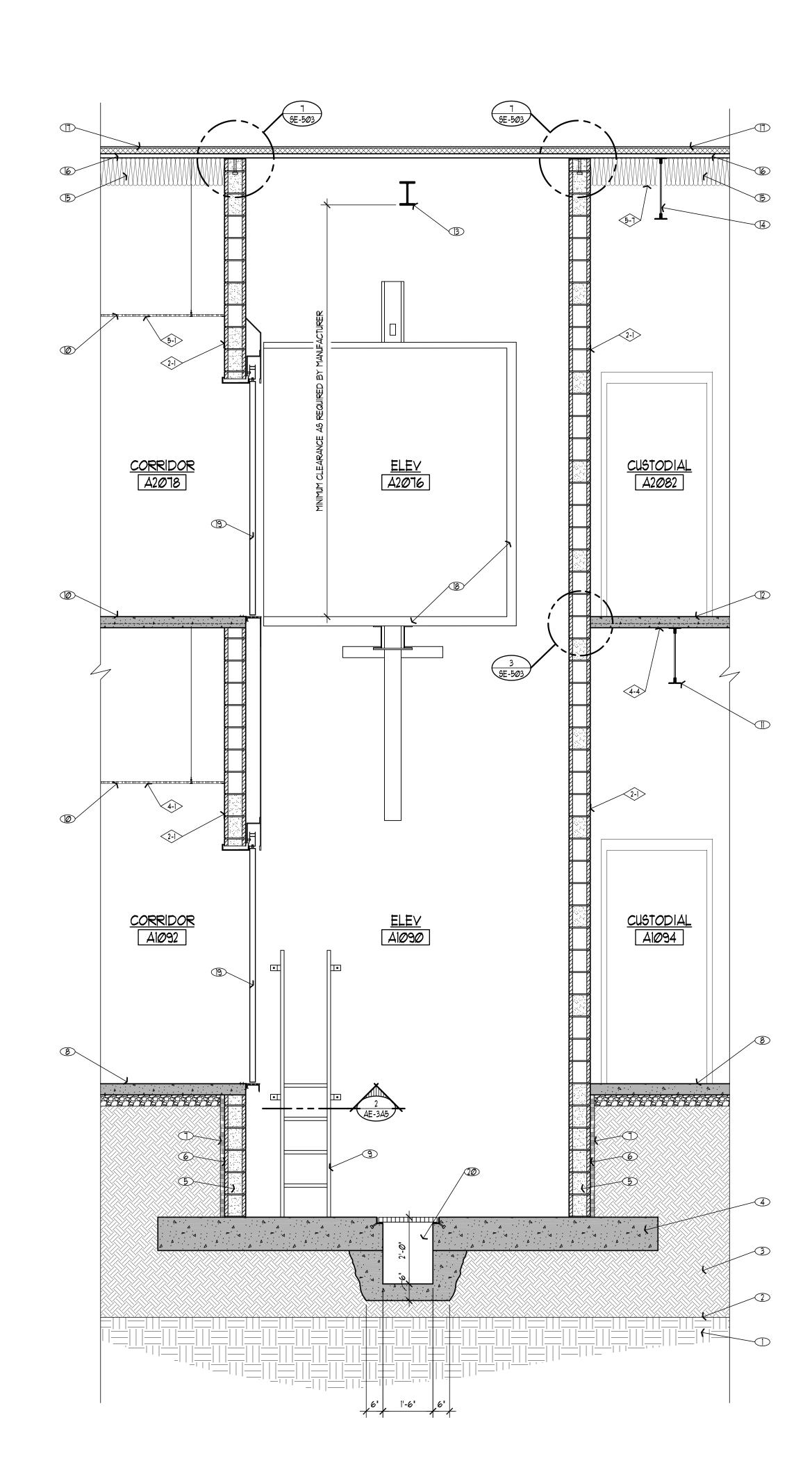
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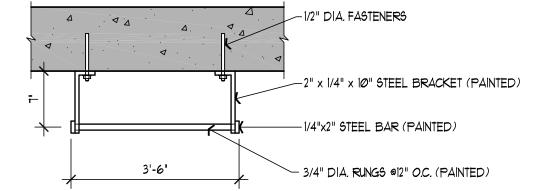
WALL SECTION

1/2"=1'-Ø"

3 WALL SECTION

4 WALL SECTION





2 SECTION THRU LADDER

ADMIN / EDUCATION ELEVATOR SECTION

1/2" = 1'-0"

### SHEETNOTES

- TYPICAL REFERENCE FOR WALL OR FLOOR/CEILING CONSTRUCTION TYPES, SEE SHEET AE-601 & AE-602 FOR SPECIFIC DETAIL.
- UNDISTURBED EARTH
- 2) BOTTOM OF EXCAVATION (MUST BE 24" BELOW EXISTING GRADE OR 24" BELOW FOOTINGS, WHICH EVER IS LOWER.)
- 3 ENGINEERED FILL
- 4 CONCRETE FOOTINGS- SEE STRUCTURAL DIVIGS 5 CMU FOUNDATION WALL- SEE STRUCTURAL DWGS
- 6 DAMP PROOFING ON EARTH SIDE OF WALL 1 1/2" RIGID FOUNDATION WALL INSULATION
- 8 4' CONCRETE SLAB OVER 4' GRAVEL BASE- SEE STRUCTURAL 9 ELEVATOR PIT LADDER PAINTED- SEE DETAIL 2/AE-3A5
- 6USPENDED ACOUSTICAL CEILING TILE SYSTEM- SEE REFLECTED CEILING PLANS
- ① STEEL FLOOR JOISTS- SEE STRUCTURAL DWGS.
- (2) CONCRETE SLAB OVER METAL DECK- SEE STRUCTURAL DWGS.
- 3 STEEL STRUCTURAL BEAM- SEE STRUCTURAL DWGS.
- 4 STEEL ROOF JOISTS- SEE STRUCTURAL DWGS. (5) R-30 INSULATION BATTS W/ VAPOR BARRIER
- METAL ROOF DECK- SEE STRUCTURAL DUGS. MECHANICALLY FASTENED MEMBRANE ROOFING OVER
- 2" RIGID INSULATION ELEVATOR CAB AND LIFT SYSTEM
- (9) ELEVATOR DOOR SYSTEM
- 200 1'-6' x 1'-6' x 2'-0' DEEP SPILL CONTAINMENT PIT WITH 1' THICK GALVANIZED METAL GRATE SET IN STEEL FRAME ANCHORED TO CONCRETE (PLACE IN CENTER OF ELEVATOR PIT)

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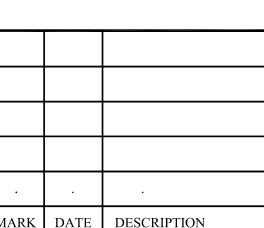
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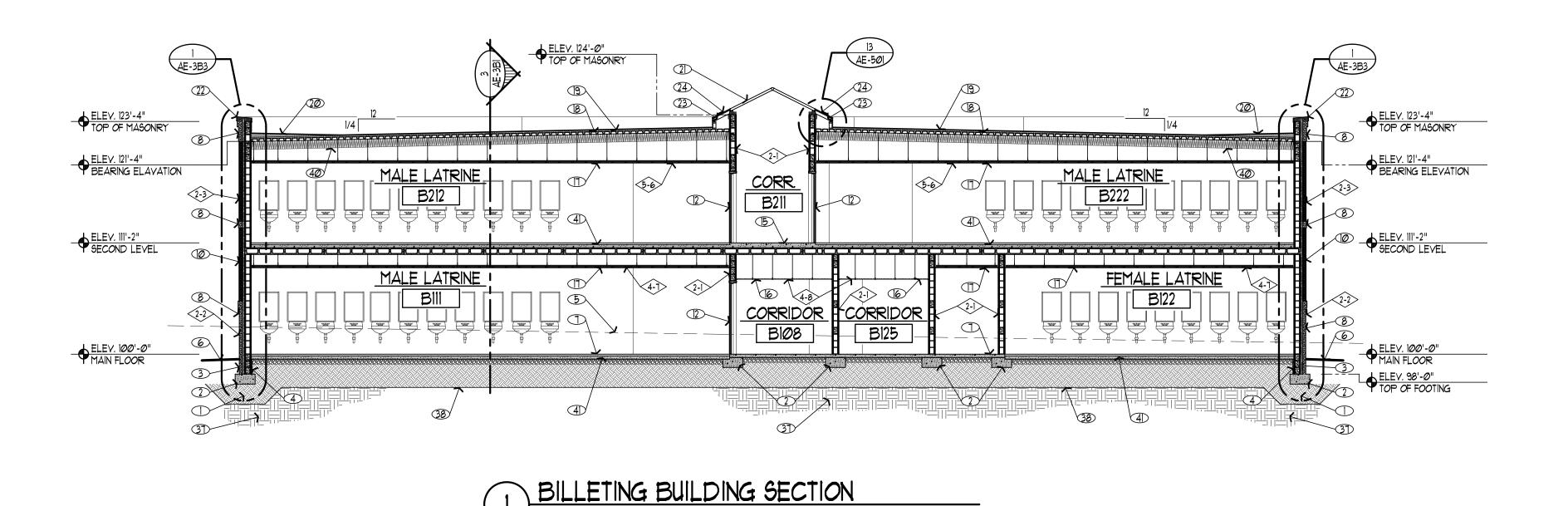
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SHEET TITLE

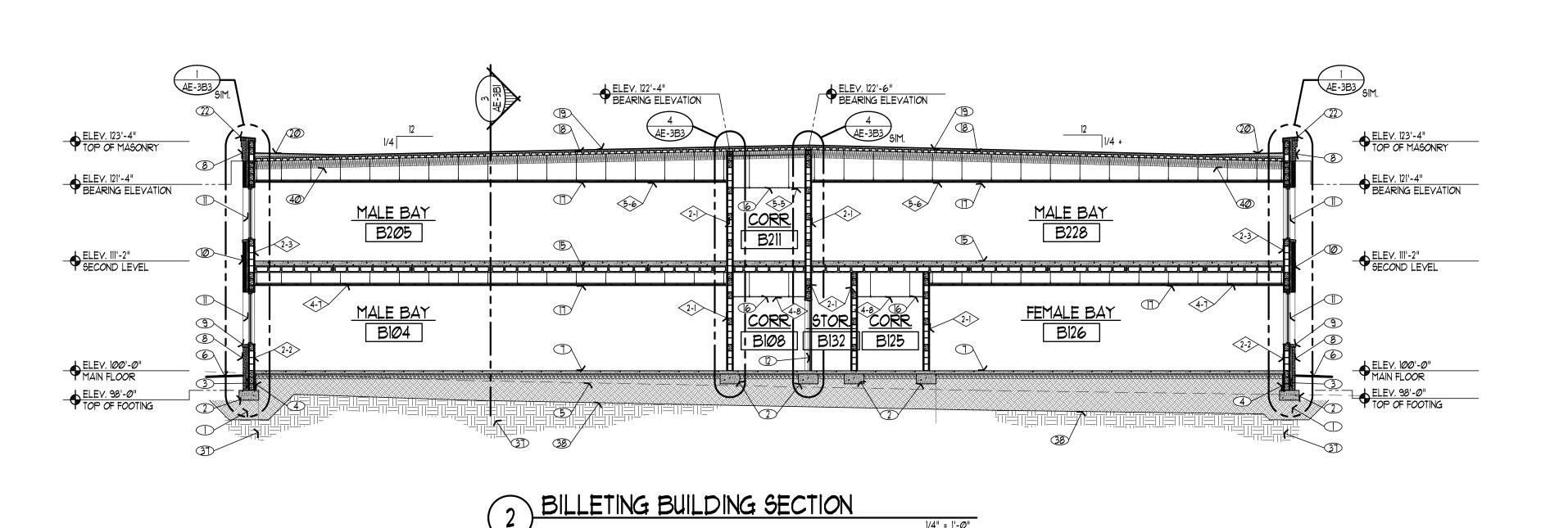
ADMINISTRATION AND EDUCATION BUILDING ELEVATOR SECTION

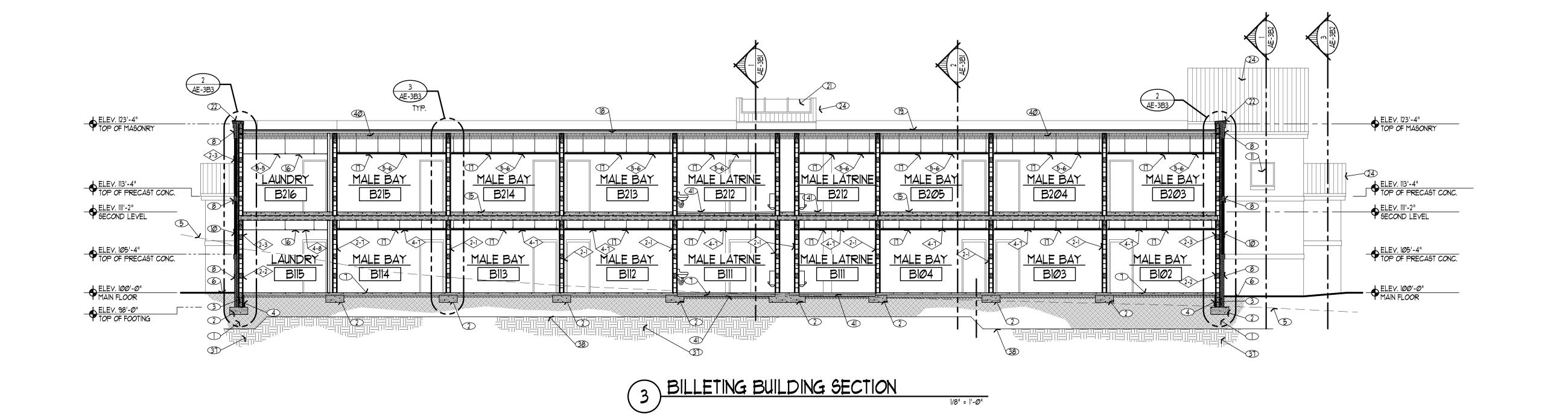
SHEET NUMBER

AE-3A6
50 OF 146



1/4" = 1'-Ø"





### SHEETNOTES

- (1-1) TYPICAL REFERENCE FOR WALL CONSTRUCTION TYPES, SEE SHEET AE-601 FOR SPECIFIC DETAIL.
- ENGINEERED FILL
- 2 CONCRETE FOOTINGS- SEE STRUCTURAL DWGS
- 4 I 1/2" RIGID FOUNDATION WALL INSULATION
   5 APPROXIMATE EXISTING GRADE- SEE SITE PLAN

3 CMU FOUNDATION WALL- SEE STRUCTURAL DUGS

- 6 APPROXIMATE FINISH GRADE- SEE SITE PLAN
- 4' CONCRETE SLAB OVER 4' GRAVEL BASE- SEE STRUCTURAL DRAWINGS FOR REINFORCEMENT
- ARCHITECTURAL PRE-CAST CONCRETE WALL PANELS- SEE
   EXTERIOR ELEVATIONS

  ADDITIONAL PRE-CAST CONCRETE WINDOW SILL OFF
- ARCHITECTURAL PRE-CAST CONCRETE WINDOW SILL- SEE EXTERIOR ELEVATIONS
- BRICK VENEER
- WINDOW- SEE WINDOW SCHEDULE
- DOOR- SEE DOOR SCHEDULE

  STAIR STRUCTURE- SEE STRUCTURAL DUGS.
- 4 STEEL PIPE RAILINGS (PAINTED)
- SEE STRUCTURAL DWGS.

  SUSPENDED ACOUSTICAL CEILING TILE SYSTEM- SEE REFLECTED

(5) 6' TOPPING SLAB OVER PRECAST CONCRETE STRUCTURE-

- CEILING PLANS

  SUSPENDED GYPSUM BOARD CEILING SYSTEM- SEE REFLECTED
- CEILING PLANS

  (B) METAL ROOF DECK- SEE STRUCTURAL DIIGS.
- MECHANICALLY FASTENED MEMBRANE ROOFING OVER
- 2" RIGID INSULATION

  20 ROOF CRICKETS CONSTRUCTED OF SLOPED RIGID
- INSULATION- SEE ROOF DRAINAGE PLAN
- ②D PRE-MANUFACTURED SKYLIGHT
- 22) PRE-FINISHED METAL WALL CAP
- 23) ROOF JOISTS- SEE STRUCTURAL DWGS.
  24) PRE-FINISHED METAL ROOFING OVER ICE & WATER SHIELD UP
- 30' PAST EXTERIOR WALL AND 30\* ROOFING FELTS OVER REST OF ROOF
- 25) PRE-FINISHED METAL FASCIA W/ PREFINISHED METAL PERFORATED SOFFIT PANELS FOR VENTILATION
- 26 PRE-ENGINEERED ROOF TRUSSES- SEE STRUCTURAL DIUGS.
   2 1/2 TOPPING SLAB OVER PRECAST CONCRETE STRUCTURE-
- SEE STRUCTURAL DIUGS.

  28 MECHANICALLY FASTENED MEMBRANE ROOFING OVER
- 4" RIGID INSULATION
  29 STEEL BEAMS- SEE STRUCTURAL DRAWINGS
- 30 PREFINISHED METAL ROOFING OVER 30\* ROOFING FELTS3D ORNAMENTAL IRON GRATING (PAINTED)
- 32) PREFINISHED METAL FASCIA
- 33 CONCRETE PAD AS REQUIRED FOR MECHANICAL EQUIPMENT
- 34 3/4" TO 1" WASHED GRAVEL (12" DEEP)
   CONCRETE STEPS, REINFORCED WITH \*4 AT EA. NOSING AND \*4 BARS
- IN STAIRS @ 2'-0" O.C., BOTHWAYS.

  36 HANDRAIL FABRICATED FROM 11/4" DIA STANDARD STEEL PIPE WITH
- ANDRAIL FABRICATED FROM 11/4" DIA STANDARD STEEL PIPE WITH GALVANIZED FINISH. ATTACH TO WALL WITH WITH WALL FLANGE.

  CORE DRILL INTO EXIST SLAB AT BOTTOM OF RAILING AND SET POST
- 3) UNDISTURBED EARTH
- 38) BOTTOM OF EXCAVATION (MUST BE 24' BELOW EXISTING GRADE OR 24' BELOW FOOTINGS, WHICH EVER IS LOWER.)
- 39 5/8' TYPE 'X' GYPSUM BOARD
- 40 R-30 INSULATION BATTS W/ VAPOR BARRIER
- RECESS CONCRETE SLAB FOR FLOOR FINISH- SEE ROOM FINISH SCHEDULE
- SUSPENDED PORTLAND CEMENT PLASTER (STUCCO) SOFFIT

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Utah National Guard

12953 South Minuteman Drive Draper, Utah 84020-1726



475 North Freedom Blvd. Provo, Utah, 84601

Tel: (801) 374-0800 Fax: (801) 374-0805

BAY BILLETING

PROJECT TITLE:

BUILDING NAME:

TASS COMPLEX CAMP WILLIAMS

UTAH NATIONAL GUARD

MARK DATE DESCRIPTION

ISSUE TYPE:

FINAL BID DOCUMENTS

ISSUE DATE:

APRIL 16, 2007

DFCM PROJECT NO: 95059480

CAD PROJECT NO:

CAD DWG FILE:

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SHEET TITLE

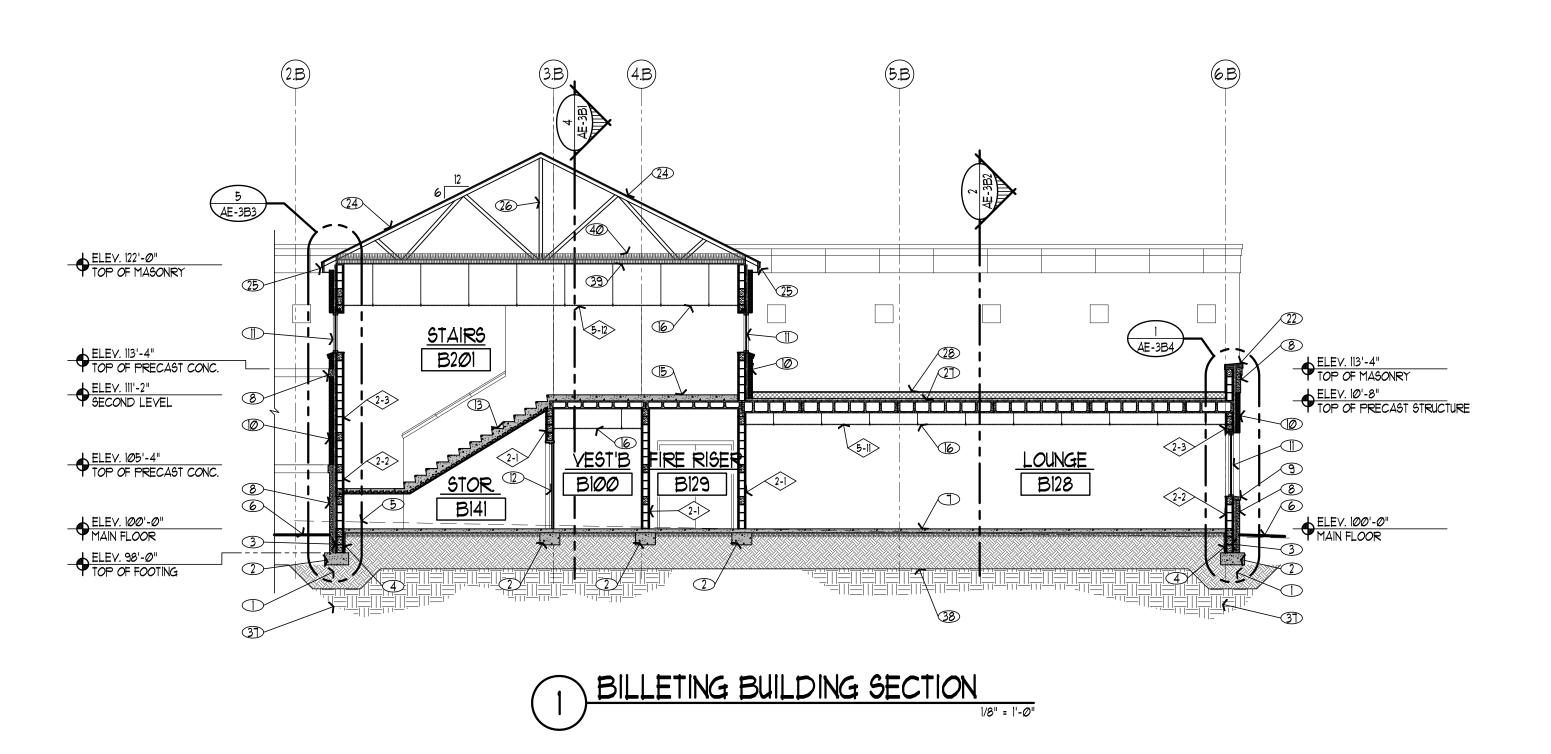
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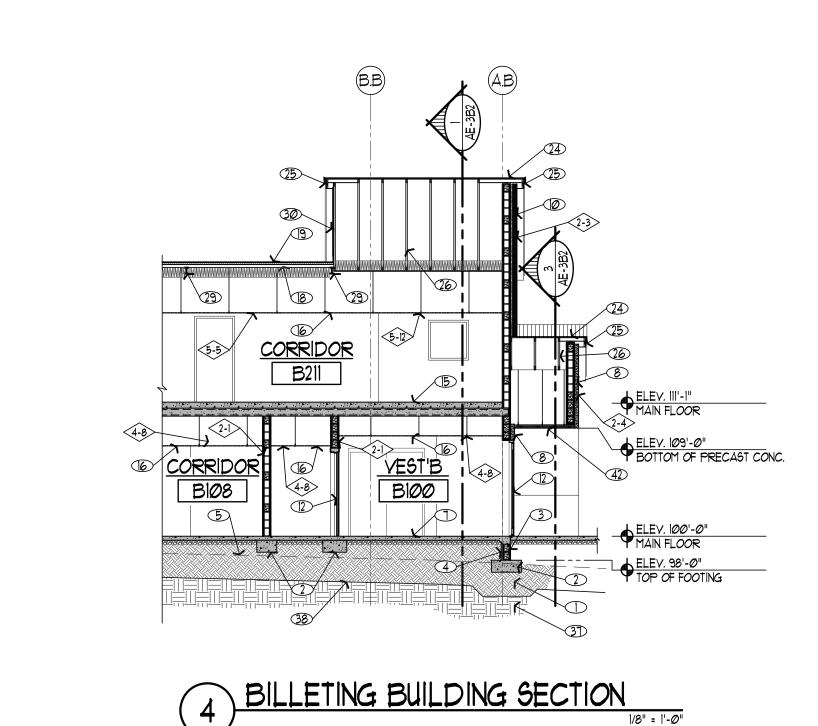
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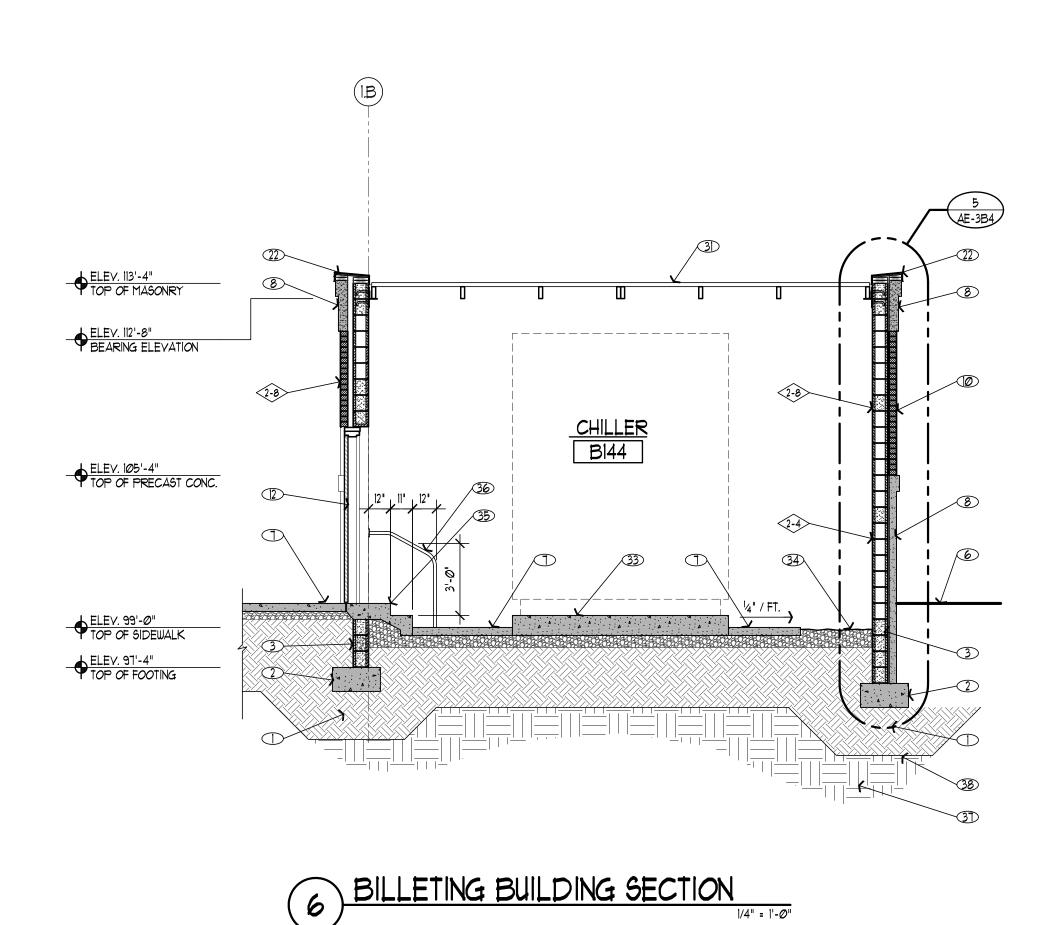
AE-3B1

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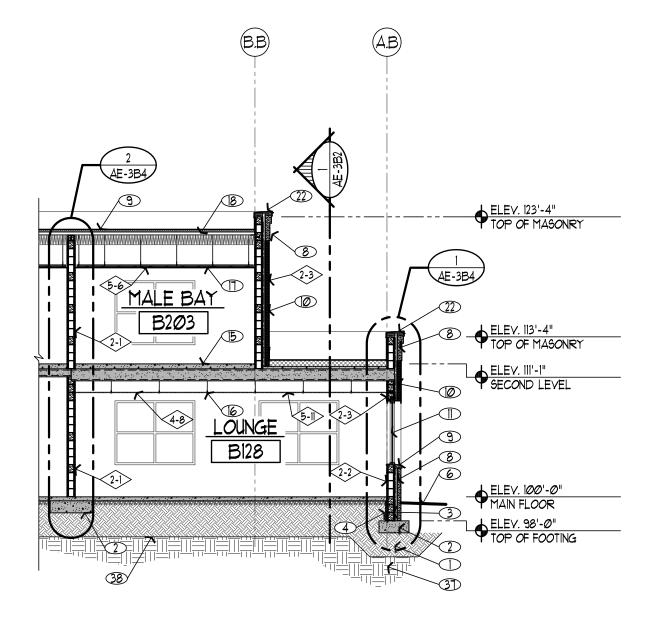
LICENSE 86-127304-0301







3 BILLETING ENTRY SECTION



2) BILLETING BUILDING SECTION

# SHEETNOTES

- ENGINEERED FILL
- 2 CONCRETE FOOTINGS- SEE STRUCTURAL DIIGS
- 3 CMU FOUNDATION WALL- SEE STRUCTURAL DWGS4 1 1/2' RIGID FOUNDATION WALL INSULATION
- 5 APPROXIMATE EXISTING GRADE- SEE SITE PLAN
- 6 APPROXIMATE FINISH GRADE- SEE SITE PLAN
  1 4' CONCRETE SLAB OVER 4' GRAVEL BASE- SEE STRUCTURAL
- DRAWINGS FOR REINFORCEMENT

  8 ARCHITECTURAL PRE-CAST CONCRETE WALL PANELS- SEE
- EXTERIOR ELEVATIONS
- ARCHITECTURAL PRE-CAST CONCRETE WINDOW SILL- SEE EXTERIOR ELEVATIONS
- BRICK VENEER
- WINDOW- SEE WINDOW SCHEDULE

  DOOR- SEE DOOR SCHEDULE
- 3 STAIR STRUCTURE- SEE STRUCTURAL DIUGS.
- (4) STEEL PIPE RAILINGS (PAINTED)(5) 6' TOPPING SLAB OVER PRECAST CONCRETE STRUCTURE-
- SEE STRUCTURAL DIUGS.

  SUSPENDED ACOUSTICAL CEILING TILE SYSTEM- SEE REFLECTED
- CEILING PLANS

  SUSPENDED GYPSUM BOARD CEILING SYSTEM- SEE REFL
- SUSPENDED GYPSUM BOARD CEILING SYSTEM- SEE REFLECTED CEILING PLANS
- B METAL ROOF DECK- SEE STRUCTURAL DWGS.
- MECHANICALLY FASTENED MEMBRANE ROOFING OVER
- (19) MECHANICALLY FASTENED MEMBRANE ROC 2" RIGID INSULATION
- 20 ROOF CRICKETS CONSTRUCTED OF SLOPED RIGID INSULATION- SEE ROOF DRAINAGE PLAN
- 2D PRE-MANUFACTURED SKYLIGHT
  22 PRE-FINISHED METAL WALL CAP

REST OF ROOF

- 23 ROOF JOISTS- SEE STRUCTURAL DUGS.
- PRE-FINISHED METAL ROOFING OVER ICE & WATER SHIELD UP 30' PAST EXTERIOR WALL AND 30\* ROOFING FELTS OVER
- 25 PRE-FINISHED METAL FASCIA W/ PREFINISHED METAL PERFORATED SOFFIT PANELS FOR VENTILATION
- 26 PRE-ENGINEERED ROOF TRUSSES- SEE STRUCTURAL DUGS.
   27 2 1/2" TOPPING SLAB OVER PRECAST CONCRETE STRUCTURE-
- SEE STRUCTURAL DWGS.
- (28) MECHANICALLY FASTENED MEMBRANE ROOFING OVER
- 4' RIGID INSULATION

  29 STEEL BEAMS- SEE STRUCTURAL DRAWINGS
- PREFINISHED METAL ROOFING OVER 30\* ROOFING FELTS
   ORNAMENTAL IRON GRATING (PAINTED), FABRICATED IN 2 SECTIONS, SEE
- DETAIL 9/AE-3A3
  32) PREFINISHED METAL FASCIA
- 33 10' THICK CONCRETE PAD AS REQUIRED FOR MECHANICAL EQUIPMENT
- 34 3/4" TO  $1\frac{1}{2}$ " WASHED GRAVEL (10" DEEP) 35 CONCRETE STEPS, REINFORCED WITH \*4 AT EA. NOSING AND \*4 BARS
- IN STAIRS @ 2'-0' O.C., BOTHWAYS.

  HANDRAIL FABRICATED FROM I'4' DIA STANDARD STEEL PIPE WITH GALVANIZED FINISH. ATTACH TO WALL WITH WITH WALL FLANGE.

  CORE DRILL INTO EXIST SLAB AT BOTTOM OF RAILING AND SET POST
- 3D UNDISTURBED EARTH
- 38) BOTTOM OF EXCAVATION (MUST BE 24' BELOW EXISTING GRADE OR 24' BELOW FOOTINGS, WHICH EVER IS LOWER.)
- 39 5/8' TYPE 'X' GYPSUM BOARD
- 40 R-30 INSULATION BATTS W/ VAPOR BARRIER
- 4D RECESS CONCRETE SLAB FOR FLOOR FINISH- SEE ROOM FINISH SCHEDULE
- 42) SUSPENDED PORTLAND CEMENT PLASTER (STUCCO) SOFFIT

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Department of Administrative Services



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BAY BILLETING

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TASS COMPLEX CAMP WILLIAMS

UTAH NATIONAL GUARD

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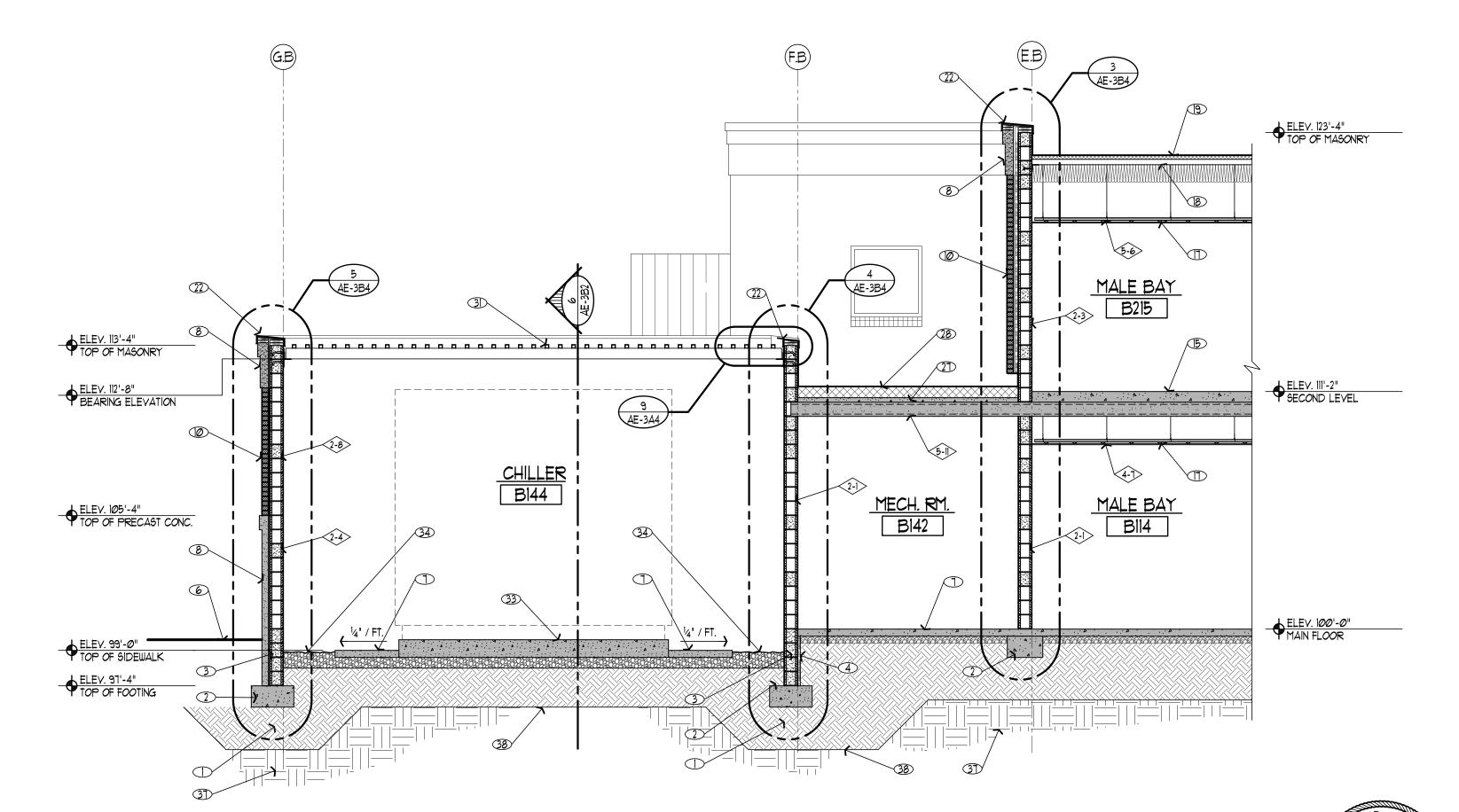
SHEET TITLE

BAY BILLETING BUILDING BUILDING SECTIONS

SHEET NUMBER

AE-3B2

52 of 146



5 BILLETING BUILDING SECTION
1/4" = 17-

### SHEETNOTES

- (1-1) TYPICAL REFERENCE FOR WALL CONSTRUCTION TYPES, SEE SHEET AE-601 FOR SPECIFIC DETAIL.
- ENGINEERED FILL
- 2 CONCRETE FOOTINGS SEE STRUCTURAL DWGS 3 CMU FOUNDATION WALL- SEE STRUCTURAL DWGS
- 4 1 1/2" RIGID FOUNDATION WALL INSULATION
- 5 APPROXIMATE EXISTING GRADE- SEE SITE PLAN 6 APPROXIMATE FINISH GRADE - SEE SITE PLAN
- 4' CONCRETE SLAB OVER 4' GRAVEL BASE- SEE STRUCTURAL
- 8 ARCHITECTURAL PRE-CAST CONCRETE WALL PANELS- SEE EXTERIOR ELEVATIONS
- ARCHITECTURAL PRE-CAST CONCRETE WINDOW SILL- SEE
- EXTERIOR ELEVATIONS
- **D** BRICK VENEER WINDOW- SEE WINDOW SCHEDULE

DRAWINGS FOR REINFORCEMENT

- 12 DOOR- SEE DOOR SCHEDULE 3 STAIR STRUCTURE- SEE STRUCTURAL DWGS.
- 4 STEEL PIPE RAILINGS (PAINTED) (5) 6' TOPPING SLAB OVER PRECAST CONCRETE STRUCTURE-
- SEE STRUCTURAL DWGS. 6 SUSPENDED ACOUSTICAL CEILING TILE SYSTEM- SEE REFLECTED
- CEILING PLANS
- SUSPENDED GYPSUM BOARD CEILING SYSTEM- SEE REFLECTED
- CEILING PLANS
- 2" RIGID INSULATION 20 ROOF CRICKETS CONSTRUCTED OF SLOPED RIGID
- INSULATION- SEE ROOF DRAINAGE PLAN
- 18 METAL ROOF DECK- SEE STRUCTURAL DIGS. (9) MECHANICALLY FASTENED MEMBRANE ROOFING OVER

- 22) PRE-FINISHED METAL WALL CAP
- 2D PRE-MANUFACTURED SKYLIGHT
- 23) ROOF JOISTS- SEE STRUCTURAL DWGS. 24) PRE-FINISHED METAL ROOFING OVER ICE & WATER SHIELD UP 30' PAST EXTERIOR WALL AND 30\* ROOFING FELTS OVER
- REST OF ROOF 25) PRE-FINISHED METAL FASCIA W/ PREFINISHED METAL PERFORATED
- SOFFIT PANELS FOR VENTILATION 26 PRE-ENGINEERED ROOF TRUSSES- SEE STRUCTURAL DWGS.
- 2 1/2 TOPPING SLAB OVER PRECAST CONCRETE STRUCTURE-SEE STRUCTURAL DWGS.
- 28) MECHANICALLY FASTENED MEMBRANE ROOFING OVER 4" RIGID INSULATION
- 29 STEEL BEAMS- SEE STRUCTURAL DRAWINGS 30 PREFINISHED METAL ROOFING OVER 30# ROOFING FELTS
- ③D ORNAMENTAL IRON GRATING (PAINTED)
- 32) PREFINISHED METAL FASCIA
- 33 CONCRETE PAD AS REQUIRED FOR MECHANICAL EQUIPMENT 34 3/4' TO I' WASHED GRAVEL (12' DEEP)
- 35) CONCRETE STEPS, REINFORCED WITH \*4 AT EA. NOSING AND \*4 BARS IN STAIRS @ 2'-O' O.C., BOTHWAYS. 36 HANDRAIL FABRICATED FROM 11/4" DIA STANDARD STEEL PIPE WITH GALVANIZED FINISH. ATTACH TO WALL WITH WITH WALL FLANGE. CORE DRILL INTO EXIST SLAB AT BOTTOM OF RAILING AND SET POST
- 3D UNDISTURBED EARTH

ELEV. 113'-4"
TOP OF PRECAST CONC.

ELEV. 105'-4"
TOP OF PRECAST CONC.

5 WALL SECTION

- 38) BOTTOM OF EXCAVATION (MUST BE 24' BELOW EXISTING GRADE OR 24" BELOW FOOTINGS, WHICH EVER IS LOWER.)
- 39) 5/8" TYPE 'X' GYPSUM BOARD 40 R-30 INSULATION BATTS W/ VAPOR BARRIER

ELEV. 122'-0"
TOP OF MASONRY

12953 South Minuteman Drive Draper, Utah 84020-1726

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4110 State Office Building

Salt Lake City, Utah 84114

Phone: (801) 538 - 3018

Fax: (801) 538 - 3267

Internet: http://www.dfcm.state.ut.us

architecture

475 North Freedom Blvd. Provo, Utah, 84601

Tel: (801) 374-0800 Fax: (801) 374-0805

BUILDING NAME:

BAY BILLETING

PROJECT TITLE:

TASS COMPLEX CAMP WILLIAMS

UTAH NATIONAL GUARD

MARK DATE DESCRIPTION

ISSUE TYPE: FINAL BID DOCUMENTS

ISSUE DATE:

APRIL 16, 2007

DFCM PROJECT NO: 95059480 CAD PROJECT NO:

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● ELEV. 98'-0"

TOP OF FOOTING

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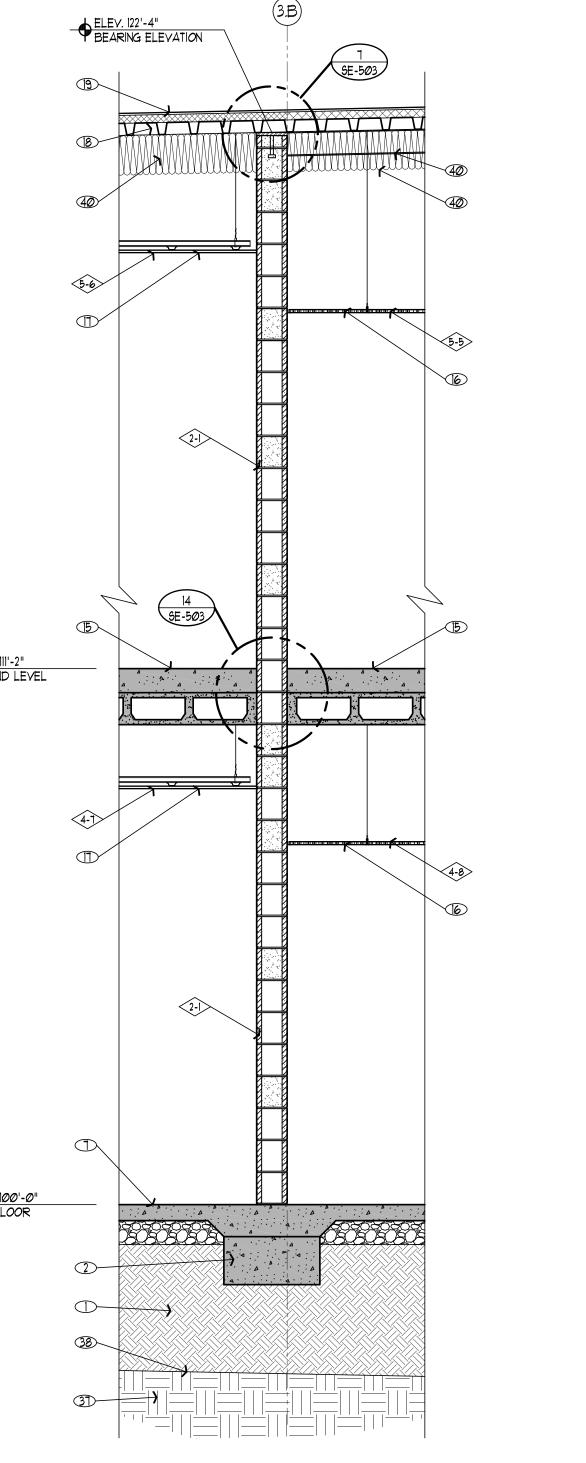
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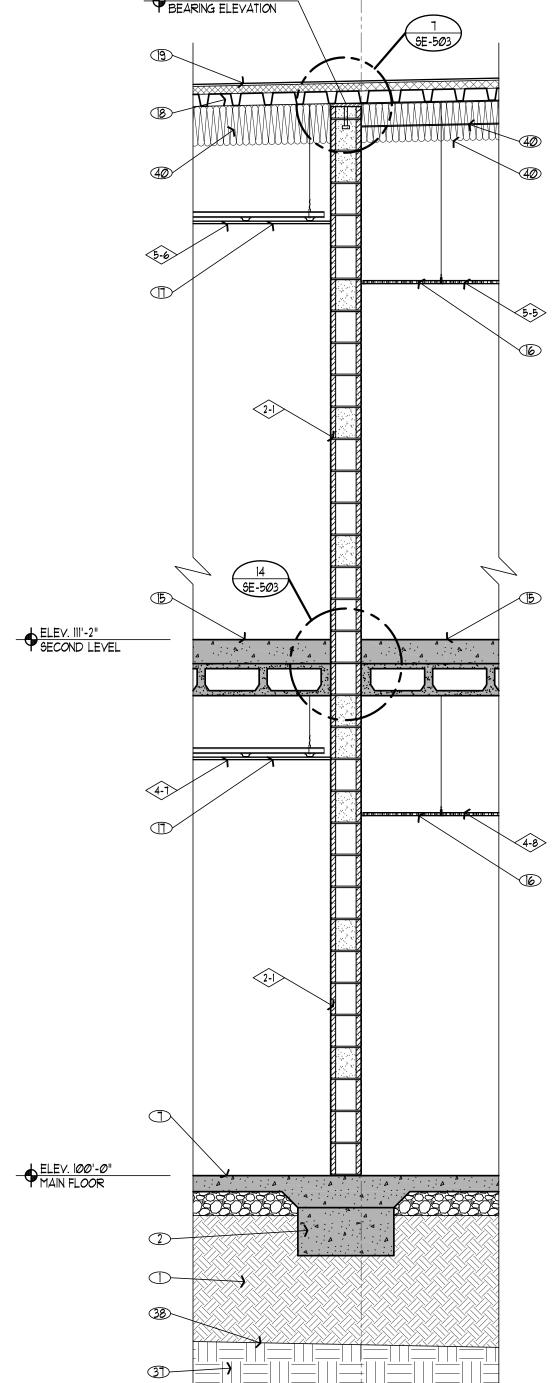
BAY BILLETING BUILDING BUILDING SECTIONS

SHEET NUMBER

AE-3B3

53 OF 146







SECOND LEVEL

ELEV. 100'-0"
MAIN FLOOR





4 WALL SECTION

WALL SECTION

ELEV. 123'-4"
TOP OF MASONRY

ELEV. 113'-4"
TOP OF PRECAST CONC.

ELEV. 111'-2"
SECOND LEVEL

ELEV. 105'-4"
TOP OF PRECAST CONC.

ELEV. 98'-0"
TOP OF FOOTING

ELEV. 123'-4"
TOP OF MASONRY

ELEV. 113'-4"
TOP OF PRECAST CONC.

SECOND LEVEL

ELEV. 105'-4"
TOP OF PRECAST CONC.

ELEV. 100'-0"
MAIN FLOOR

ELEV. 98'-0"
TOP OF FOOTING

### SHEETNOTES

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- 3 CMU FOUNDATION WALL- SEE STRUCTURAL DWGS 4 1 1/2" RIGID FOUNDATION WALL INSULATION
- 5 APPROXIMATE EXISTING GRADE- SEE SITE PLAN 6 APPROXIMATE FINISH GRADE - SEE SITE PLAN
- 4' CONCRETE SLAB OVER 4' GRAVEL BASE- SEE STRUCTURAL
- DRAWINGS FOR REINFORCEMENT 8 ARCHITECTURAL PRE-CAST CONCRETE WALL PANELS- SEE
- EXTERIOR ELEVATIONS
- ARCHITECTURAL PRE-CAST CONCRETE WINDOW SILL- SEE EXTERIOR ELEVATIONS
- **Ø** BRICK VENEER WINDOW- SEE WINDOW SCHEDULE
- 12 DOOR- SEE DOOR SCHEDULE
- 3 STAIR STRUCTURE- SEE STRUCTURAL DWGS. (PAINTED)
- (5) 6' TOPPING SLAB OVER PRECAST CONCRETE STRUCTURE-SEE STRUCTURAL DWGS.
- 6 SUSPENDED ACOUSTICAL CEILING TILE SYSTEM- SEE REFLECTED CEILING PLANS
- SUSPENDED GYPSUM BOARD CEILING SYSTEM- SEE REFLECTED
- CEILING PLANS 18 METAL ROOF DECK- SEE STRUCTURAL DWGS.
- (9) MECHANICALLY FASTENED MEMBRANE ROOFING OVER 2" RIGID INSULATION
- 20 ROOF CRICKETS CONSTRUCTED OF SLOPED RIGID INSULATION- SEE ROOF DRAINAGE PLAN

- 2D PRE-MANUFACTURED SKYLIGHT 22) PRE-FINISHED METAL WALL CAP
- 23) ROOF JOISTS- SEE STRUCTURAL DWGS. 24) PRE-FINISHED METAL ROOFING OVER ICE & WATER SHIELD UP 30' PAST EXTERIOR WALL AND 30\* ROOFING FELTS OVER
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- SOFFIT PANELS FOR VENTILATION 26 PRE-ENGINEERED ROOF TRUSSES- SEE STRUCTURAL DWGS.
- 2 1/2' TOPPING SLAB OVER PRECAST CONCRETE STRUCTURE-SEE STRUCTURAL DWGS.
- 28) MECHANICALLY FASTENED MEMBRANE ROOFING OVER 4" RIGID INSULATION
- 29 STEEL BEAMS- SEE STRUCTURAL DRAWINGS
- 30 PREFINISHED METAL ROOFING OVER 30\* ROOFING FELTS ③D ORNAMENTAL IRON GRATING (PAINTED)
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TOP OF MASONRY

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Salt Lake City, Utah 84114

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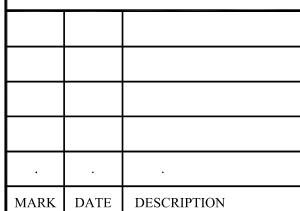
BUILDING NAME:

BAY BILLETING

PROJECT TITLE:

TASS COMPLEX CAMP WILLIAMS

UTAH NATIONAL GUARD



ISSUE TYPE:

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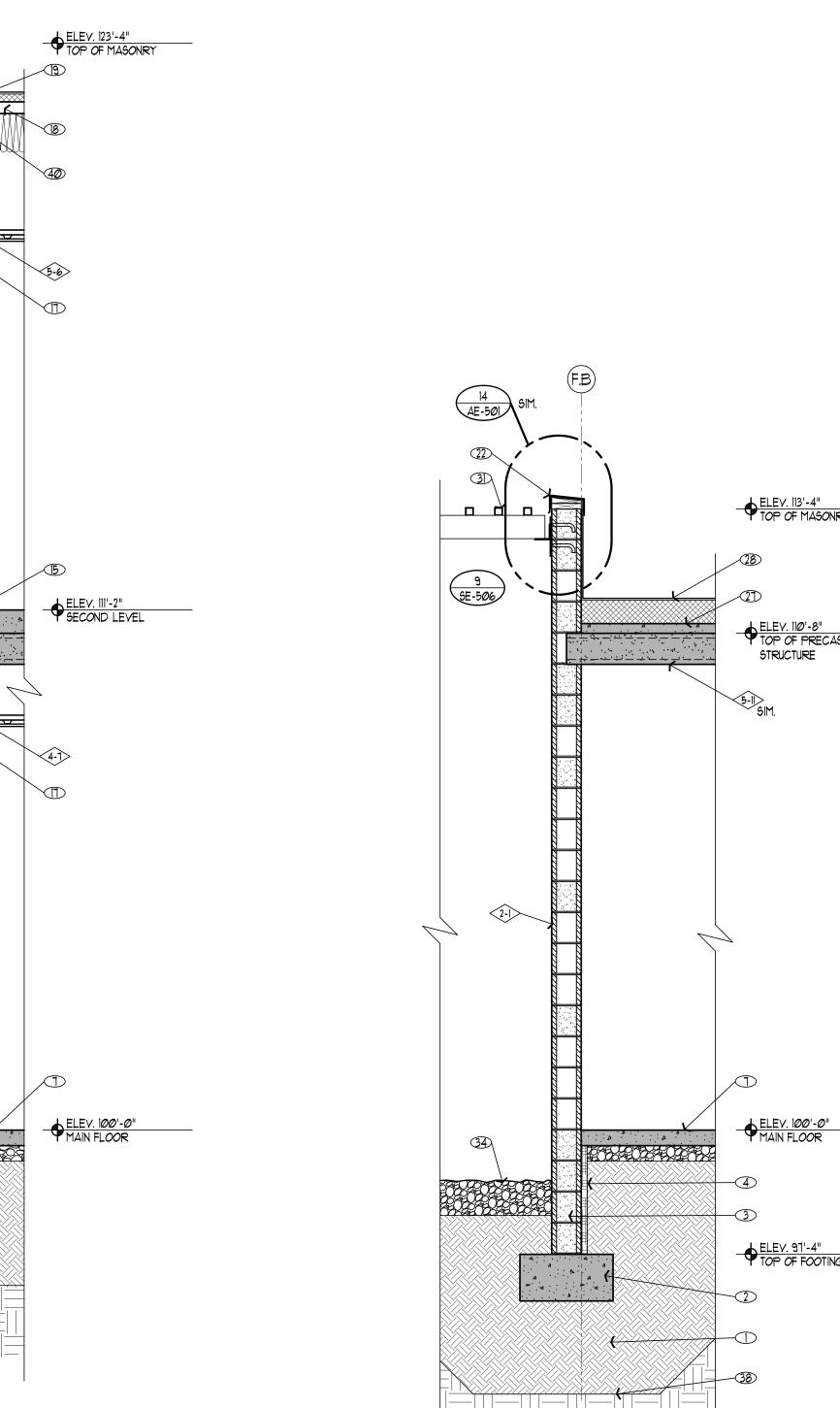
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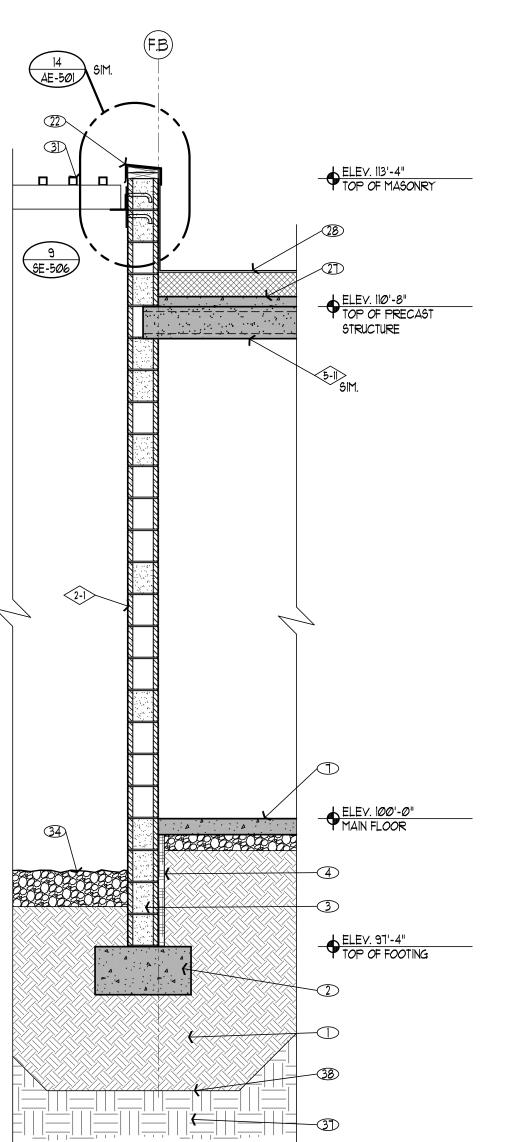
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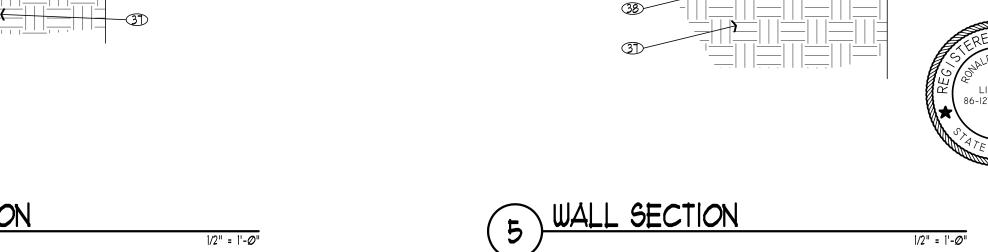
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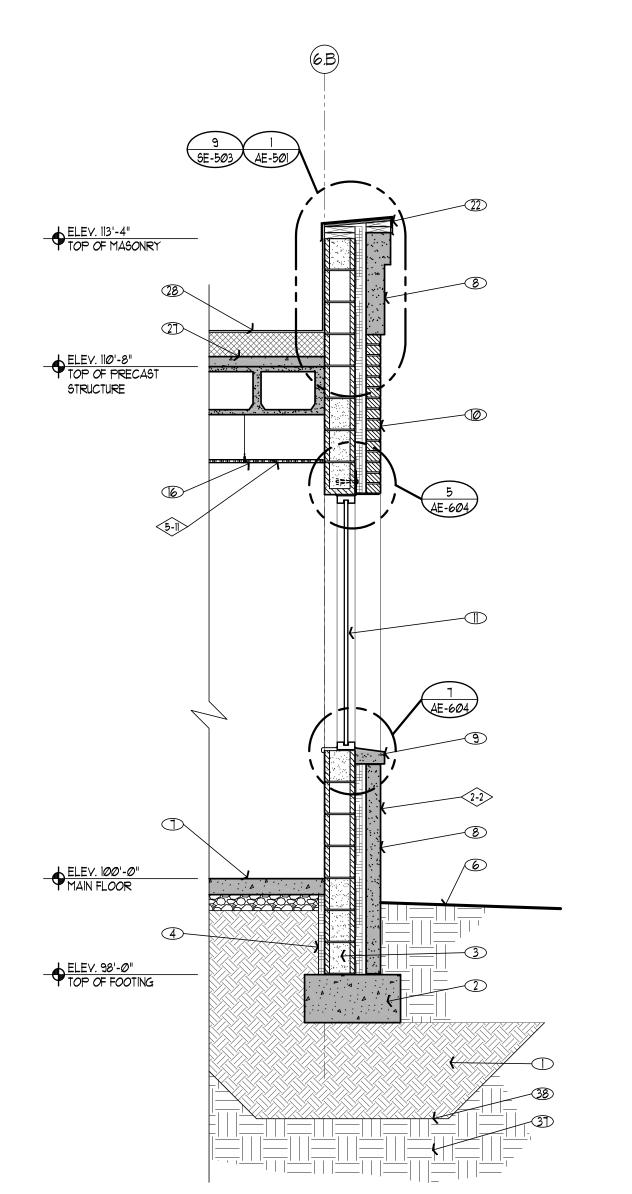
AE-3B4

54 OF 146

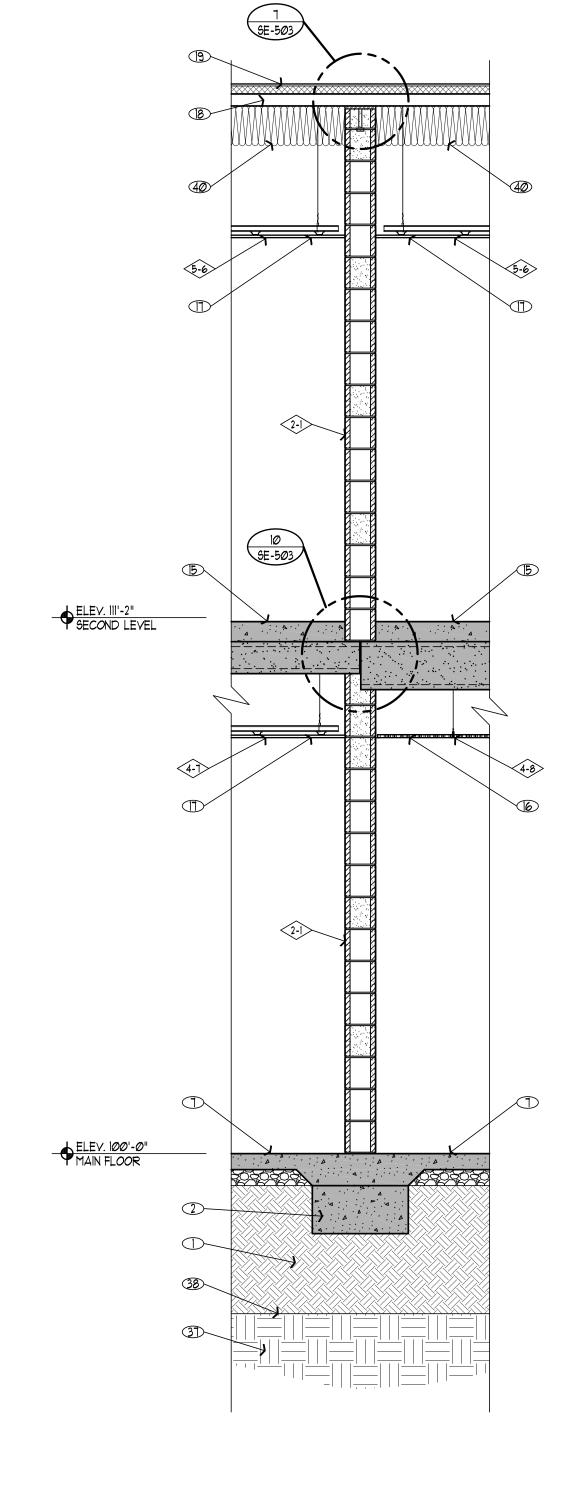








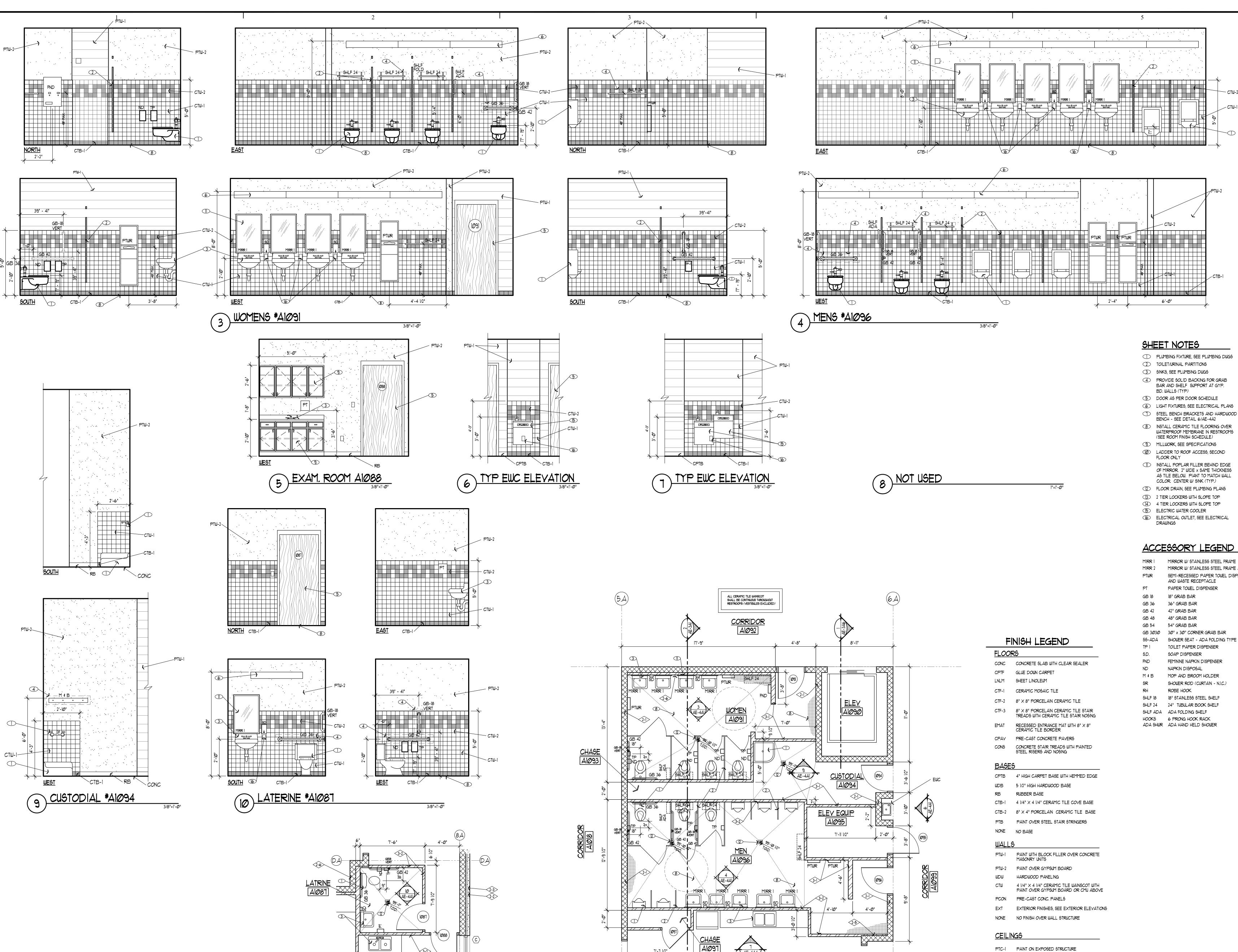
WALL SECTION







4 WALL SECTION



ENLARGED RESTROOM PLAN

WOMENS A1091, MENS A1096, CUST. A1095 1/4"=1'-0"

2 ENLARGED RESTROOM PLAN LATERINE #AIØ87

State of Utah Department of Administrative Services



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Tel: (801) 374-0800 Fax: (801) 374-0805

**BUILDING NAME:** 

**ADMINISTRATION** AND EDUCATION

TASS COMPLEX

**CAMP WILLIAMS** 

**UTAH NATIONAL GUARD** 

### ACCESSORY LEGEND PROJECT TITLE:

MIRROR W/ STAINLESS STEEL FRAME MIRROR W/ STAINLESS STEEL FRAME AND SHELF SEMI-RECESSED PAPER TOWEL DISPENSER

∠CTB-I

PAPER TOWEL DISPENSER

36" GRAB BAR

42" GRAB BAR 48" GRAB BAR 54" GRAB BAR

S6-ADA SHOWER SEAT - ADA FOLDING TYPE TOILET PAPER DISPENSER

FEMININE NAPKIN DISPENSER NAPKIN DISPOSAL

ROBE HOOK

SHLF ADA ADA FOLDING SHELF HOOKS 6 PRONG HOOK RACK ADA SHWR ADA HAND HELD SHOWER

PTC-2 PAINT ON SUSPENDED GYPSUM BOARD

2' imes 4' ACOUSTICAL CEILING TILE ON T-BAR GRID

NONE NO FINISH ON EXPOSED STRUCTURE

SKY SKYLIGHT

AND WASTE RECEPTACLE

GB 3030 30" x 30" CORNER GRAB BAR SOAP DISPENSER

MOP AND BROOM HOLDER SHOWER ROD (CURTAIN - N.I.C.)

SHLF 18 18" STAINLESS STEEL SHELF SHLF 24 24" TUBULAR BOOK SHELF

> ISSUE TYPE: FINAL BID DOCUMENTS

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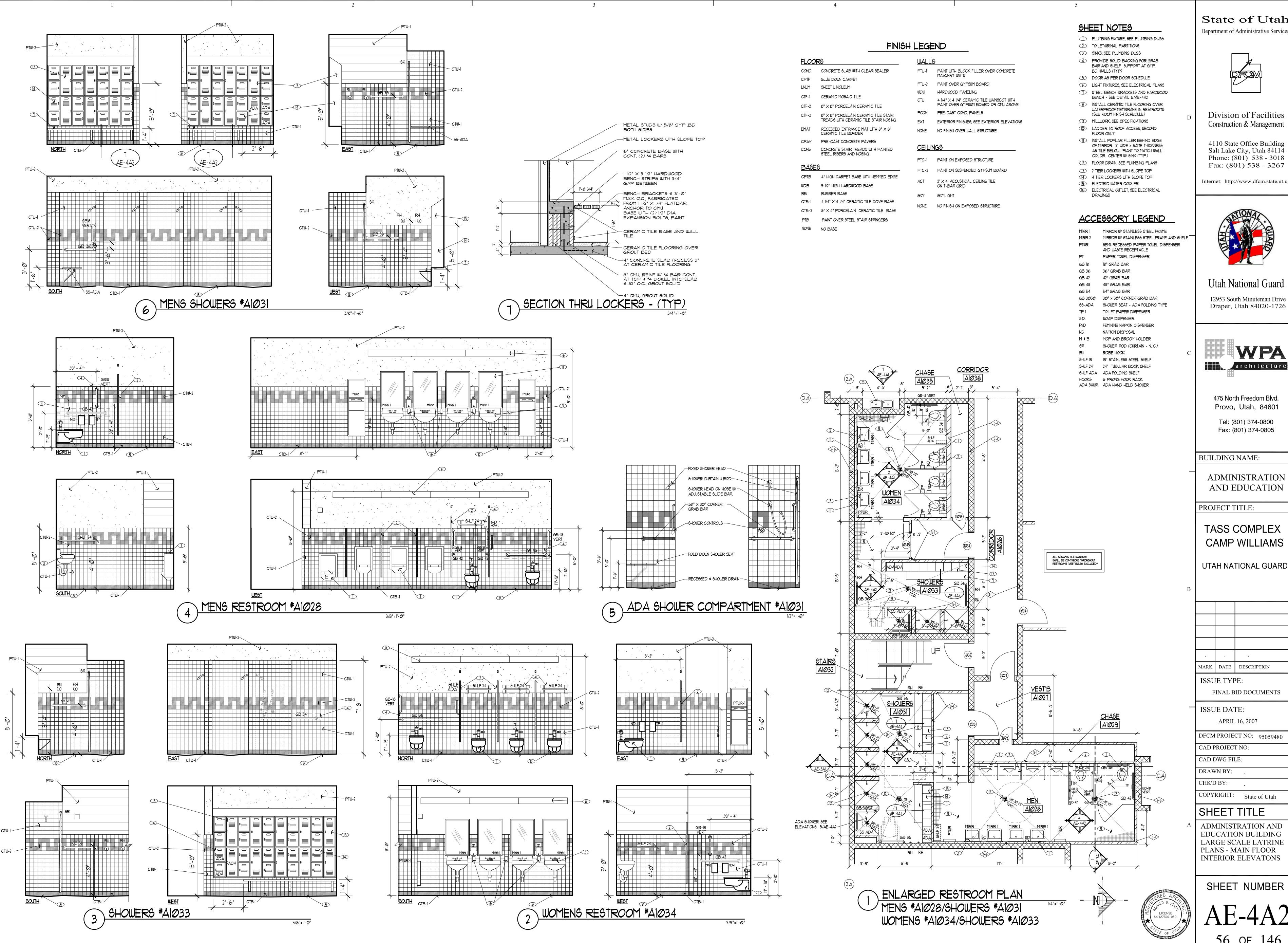
### SHEET TITLE

ADMINISTRATION AND **EDUCATION BUILDING** LARGE SCALE LATRINE PLANS - MAIN FLOOR INTERIOR ELEVATIONS

SHEET NUMBER







Department of Administrative Services



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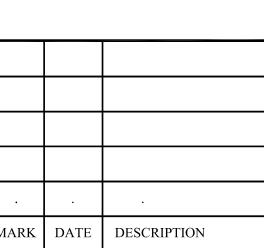
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PROJECT TITLE:

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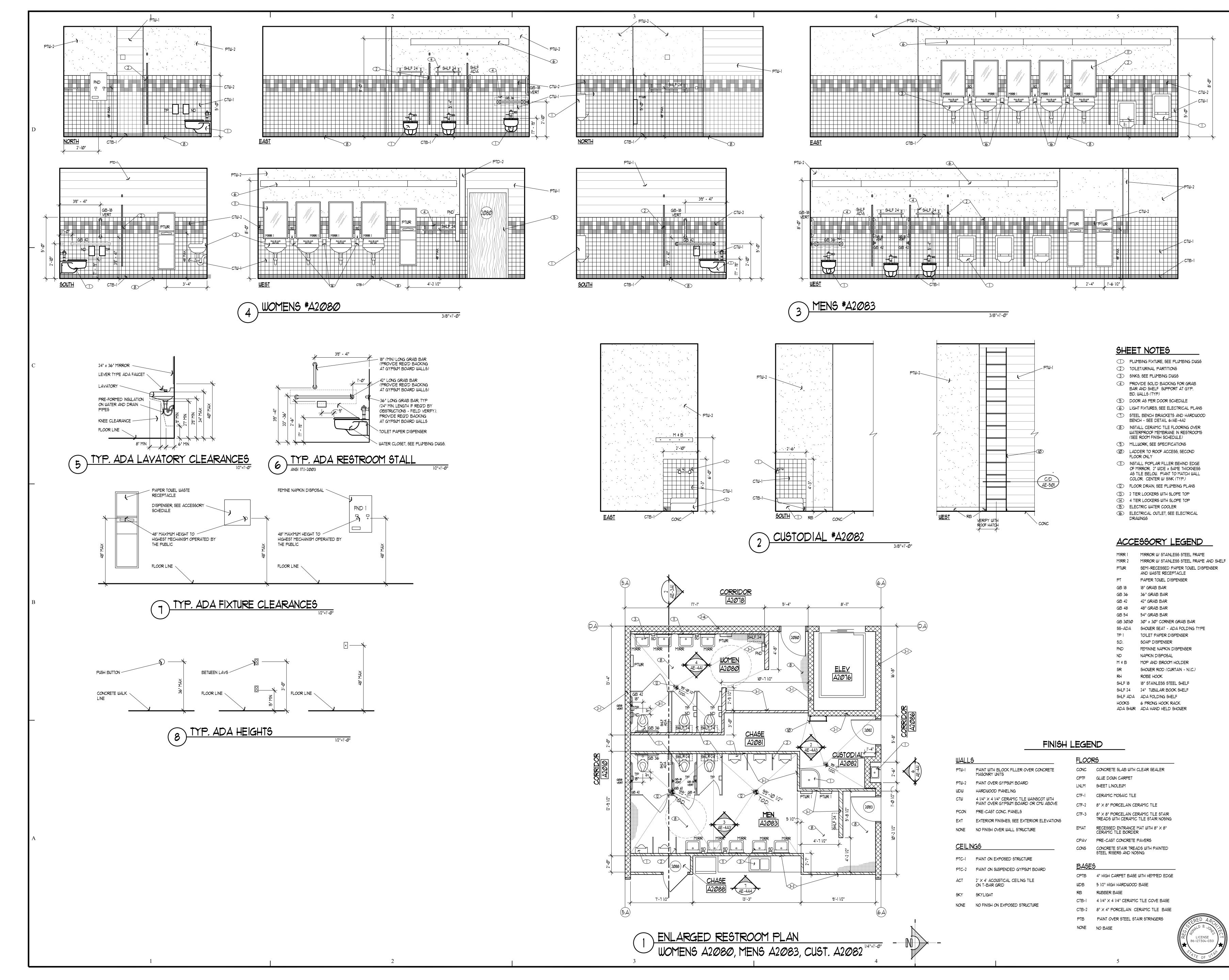
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## SHEET TITLE

ADMINISTRATION AND **EDUCATION BUILDING** LARGE SCALE LATRINE PLANS - MAIN FLOOR INTERIOR ELEVATONS

SHEET NUMBER





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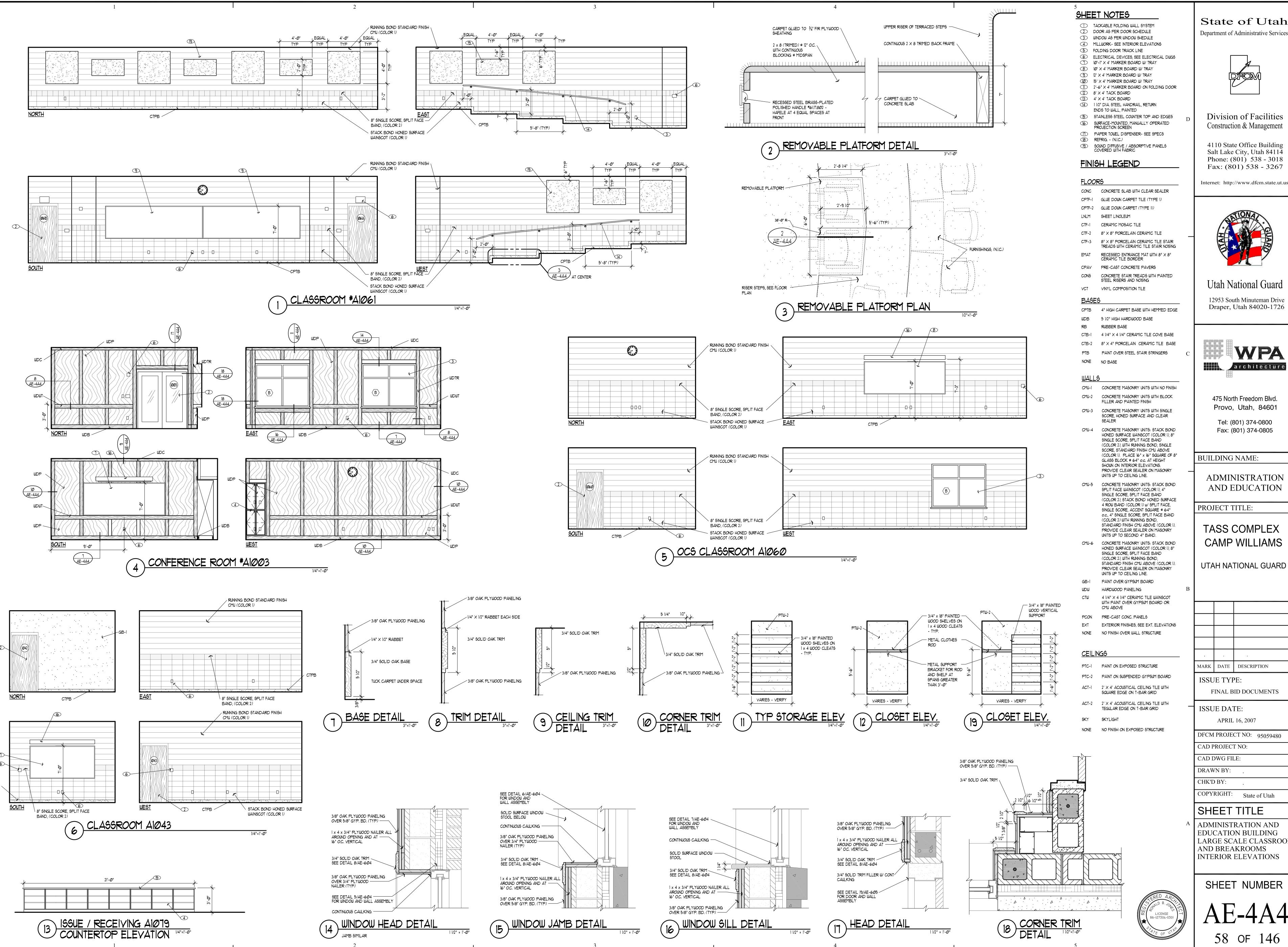
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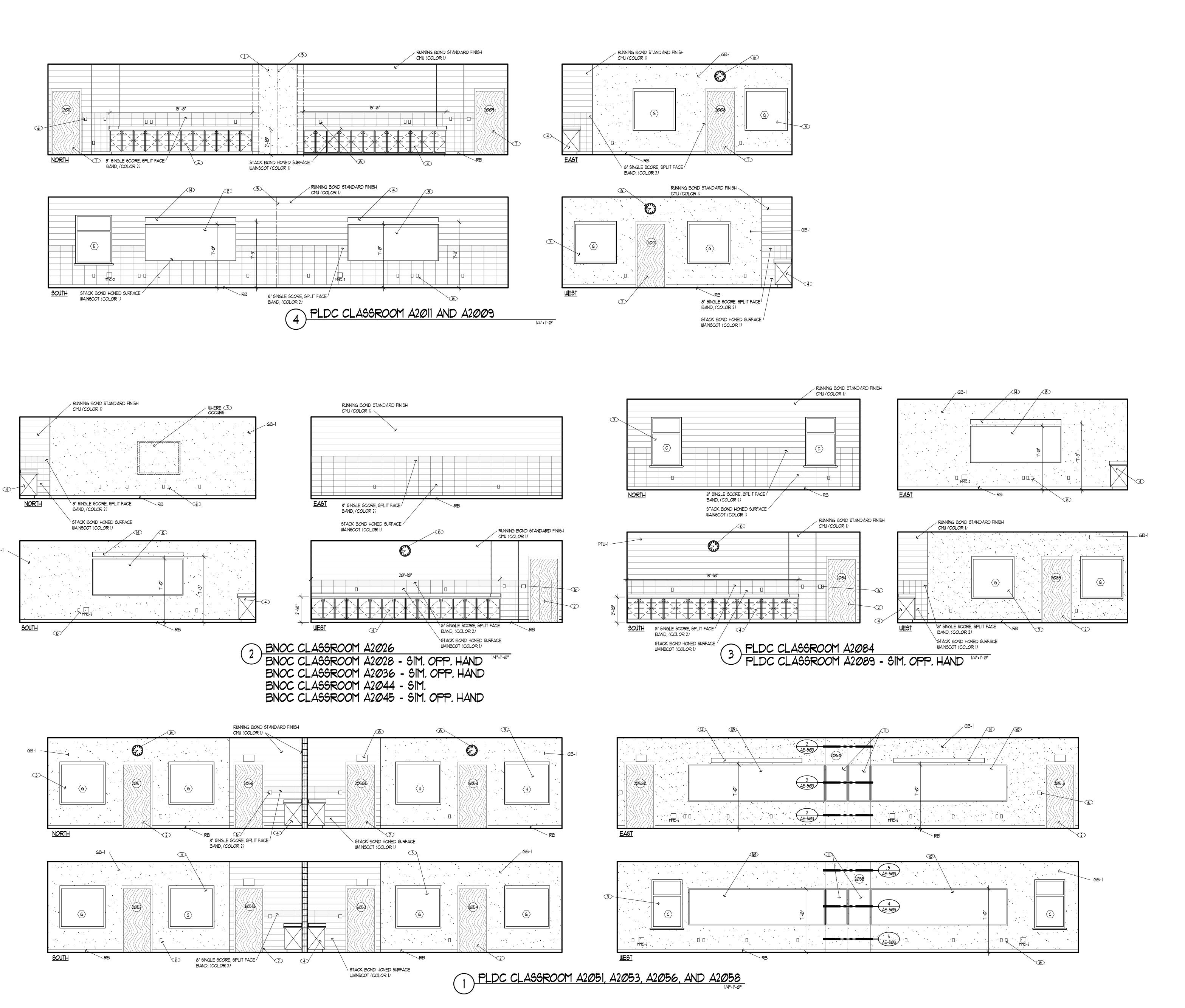
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ADMINISTRATION AND EDUCATION BUILDING LARGE SCALE CLASSROOM AND BREAKROOMS INTERIOR ELEVATIONS

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### SHEET NOTES

TACKABLE FOLDING WALL SYSTEM 2 DOOR AS PER DOOR SCHEDULE 3 WINDOW AS PER WINDOW SHEDULE 4 BASE CABINET WITH DOORS & LOCKS

5 FOLDING DOOR TRACK LINE 6 ELECTRICAL DEVICES, SEE ELECTRICAL DWGS 8' X 4' MARKER BOARD W/ TRAY 8 10' X 4' MARKER BOARD W/ TRAY 3 12' X 4' MARKER BOARD W/ TRAY

15' X 4' MARKER BOARD W/ TRAY 2'-6" X 4' MARKER BOARD ON FOLDING DOOR (12) 8' X 4' TACK BOARD 3 4' X 4' TACK BOARD SURFACE-MOUNTED MANUALLY OPERATED PROJECTION SCREEN

### FLOORS

CONC CONCRETE SLAB WITH CLEAR SEALER CPTF-I GLUE DOWN CARPET TILE (TYPE I) CPTF-2 GLUE DOWN CARPET (TYPE II)

LNLM SHEET LINOLEUM CTF-I CERAMIC MOSAIC TILE

CTF-2 8" X 8" PORCELAIN CERAMIC TILE

CTF-3 8" X 8" PORCELAIN CERAMIC TILE STAIR TREADS WITH CERAMIC TILE STAIR NOSING

EMAT RECESSED ENTRANCE MAT WITH 8"  $\times$  8" CERAMIC TILE BORDER

CPAY PRE-CAST CONCRETE PAYERS

CONCRETE STAIR TREADS WITH PAINTED STEEL RISERS AND NOSING

VCT VINYL COMPOSITION TILE

### <u>BASES</u>

CPTB 4" HIGH CARPET BASE WITH HEMMED EDGE WDB 5 1/2" HIGH HARDWOOD BASE RUBBER BASE

CTB-1 4 1/4" X 4 1/4" CERAMIC TILE COVE BASE

CTB-2 8" X 4" PORCELAIN CERAMIC TILE BASE PTB PAINT OVER STEEL STAIR STRINGERS

NONE NO BASE

CMU-I CONCRETE MASONRY UNITS WITH NO FINISH CMU-2 CONCRETE MASONRY UNITS WITH BLOCK FILLER AND PAINTED FINISH

CMU-3 CONCRETE MASONRY UNITS WITH SINGLE SCORE, HONED SURFACE AND CLEAR SEALER

CMU-4 CONCRETE MASONRY UNITS: STACK BOND HONED SURFACE WAINSCOT (COLOR 1), 8" SINGLE SCORE, SPLIT FACE BAND (COLOR 2), WITH RUNNING BOND, SINGLE SCORE, STANDARD FINISH CMU ABOVE (COLOR 1). PLACE 16" x 16" SQUARE OF 8" GLASS BLOCK @ 64" o.c. AT HEIGHT SHOWN ON INTERIOR ELEVATIONS. PROVIDE CLEAR SEALER ON MASONRY UNITS UP TO CEILING LINE.

CMU-5 CONCRETE MASONRY UNITS: STACK BOND SPLIT FACE WAINSCOT (COLOR 1), 4" SINGLE SCORE, SPLIT FACE BAND (COLOR 2), STACK BOND HONED SURFACE 4 ROW BAND (COLOR 1) w/ SPLIT FACE, SINGLE SCORE, ACCENT SQUARE @ 64" o.c., 4" SINGLE SCORE, SPLIT FACE BAND (COLOR 2) WITH RUNNING BOND, STANDARD FINISH CMU ABOYE (COLOR 1) PROVIDE CLEAR SEALER ON MASONRY UNITS UP TO SECOND 4" BAND.

CMU-6 CONCRETE MASONRY UNITS: STACK BOND HONED SURFACE WAINSCOT (COLOR 1), 8" SINGLE SCORE, SPLIT FACE BAND (COLOR 2), WITH RUNNING BOND, STANDARD FINISH CMU ABOVE (COLOR 1). PROVIDE CLEAR SEALER ON MASONRY UNITS UP TO CEILING LINE.

GB-1 PAINT OVER GYPSUM BOARD HARDWOOD PANELING

4 1/4"  $\times$  4 1/4" CERAMIC TILE WAINSCOT WITH PAINT OVER GYPSUM BOARD OR

CMU ABOVE PCON PRE-CAST CONC. PANELS

EXT EXTERIOR FINISHES, SEE EXT. ELEVATIONS

NONE NO FINISH OVER WALL STRUCTURE

### <u>CEILINGS</u>

PTC-I PAINT ON EXPOSED STRUCTURE

PTC-2 PAINT ON SUSPENDED GYPSUM BOARD

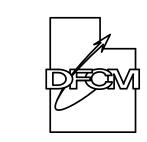
ACT-1 2' X 4' ACOUSTICAL CEILING TILE WITH SQUARE EDGE ON T-BAR GRID

ACT-2 2' X 4' ACOUSTICAL CEILING TILE WITH TEGULAR EDGE ON T-BAR GRID

SKY SKYLIGHT

NONE NO FINISH ON EXPOSED STRUCTURE

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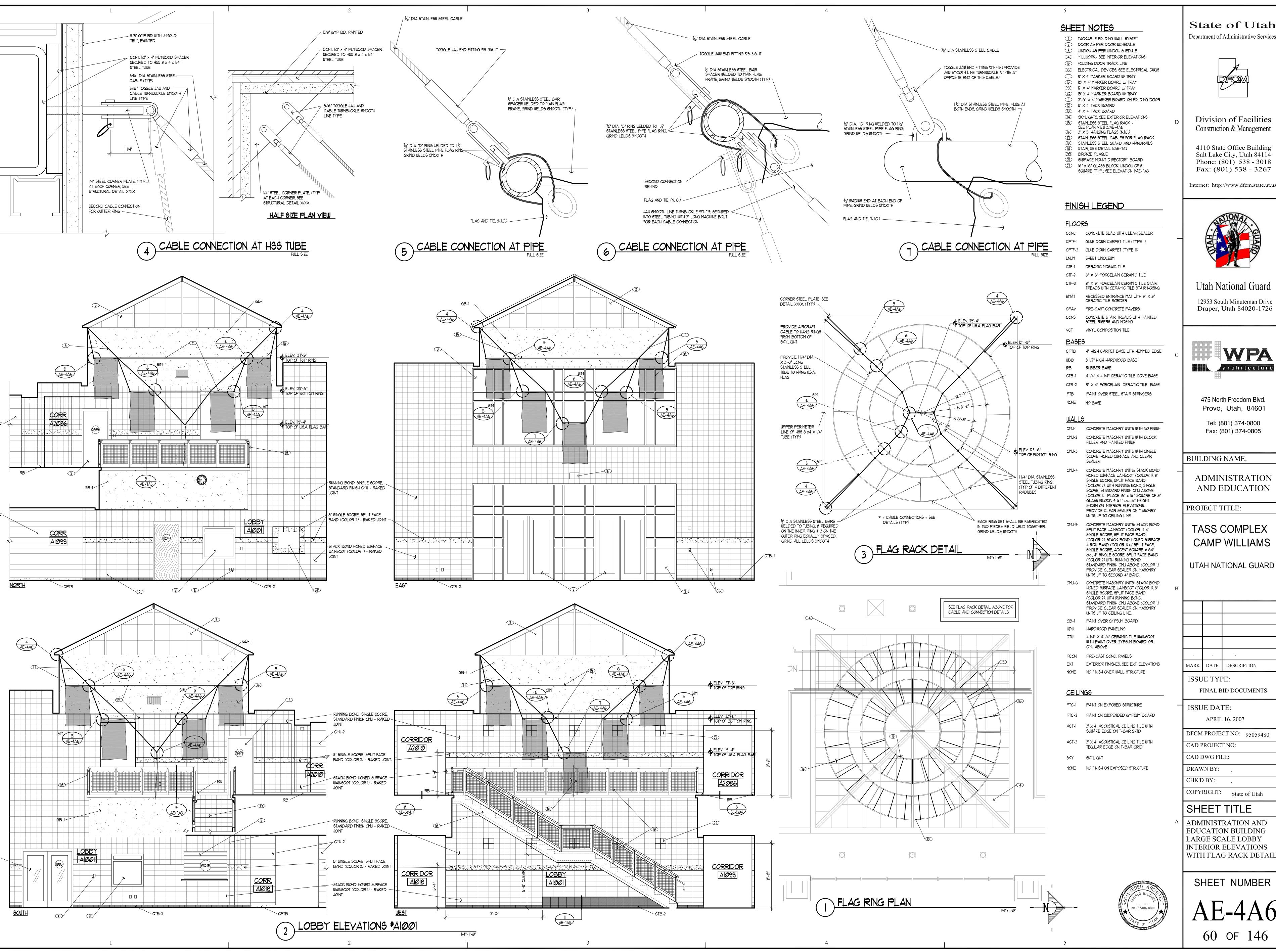
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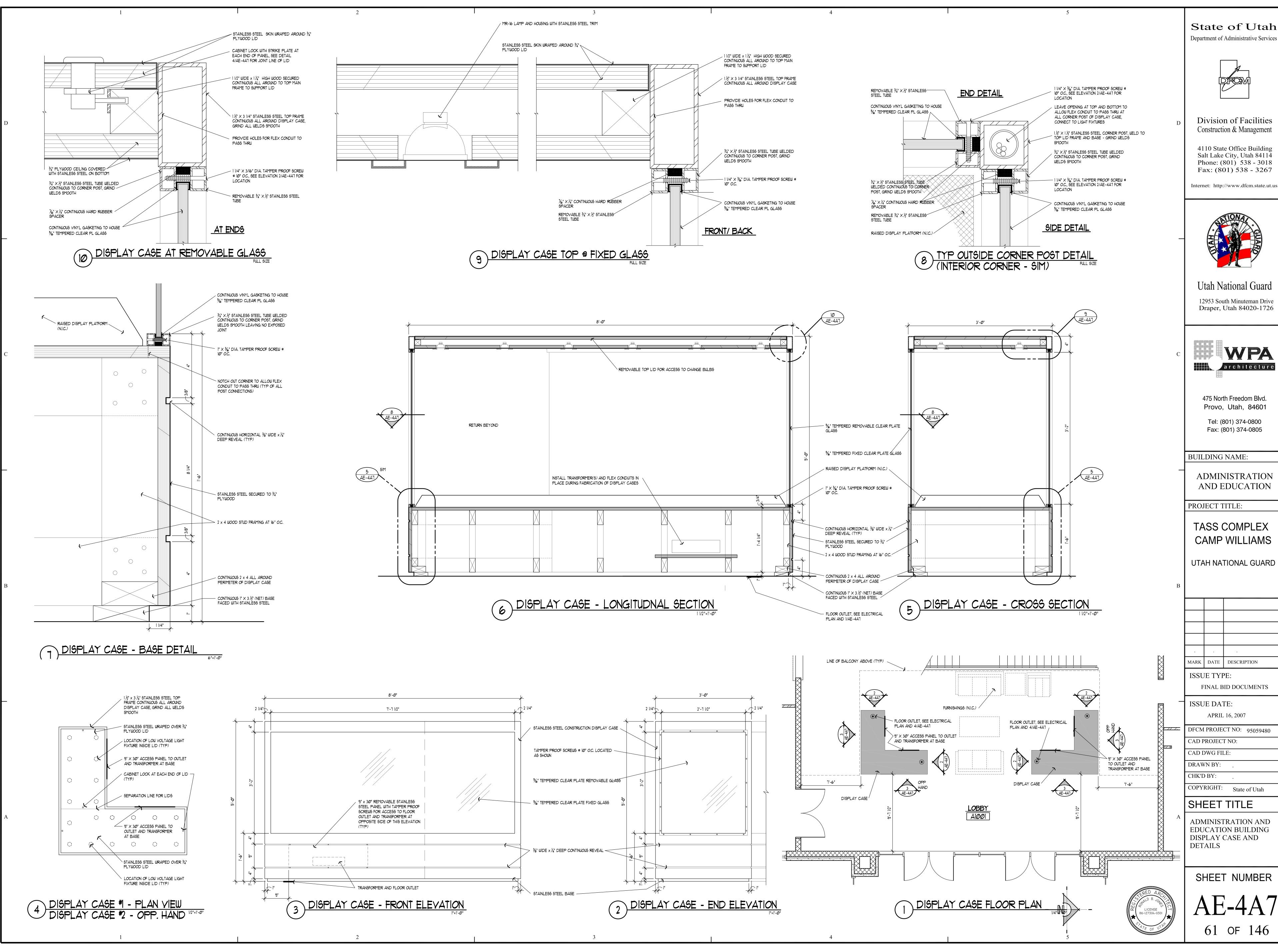
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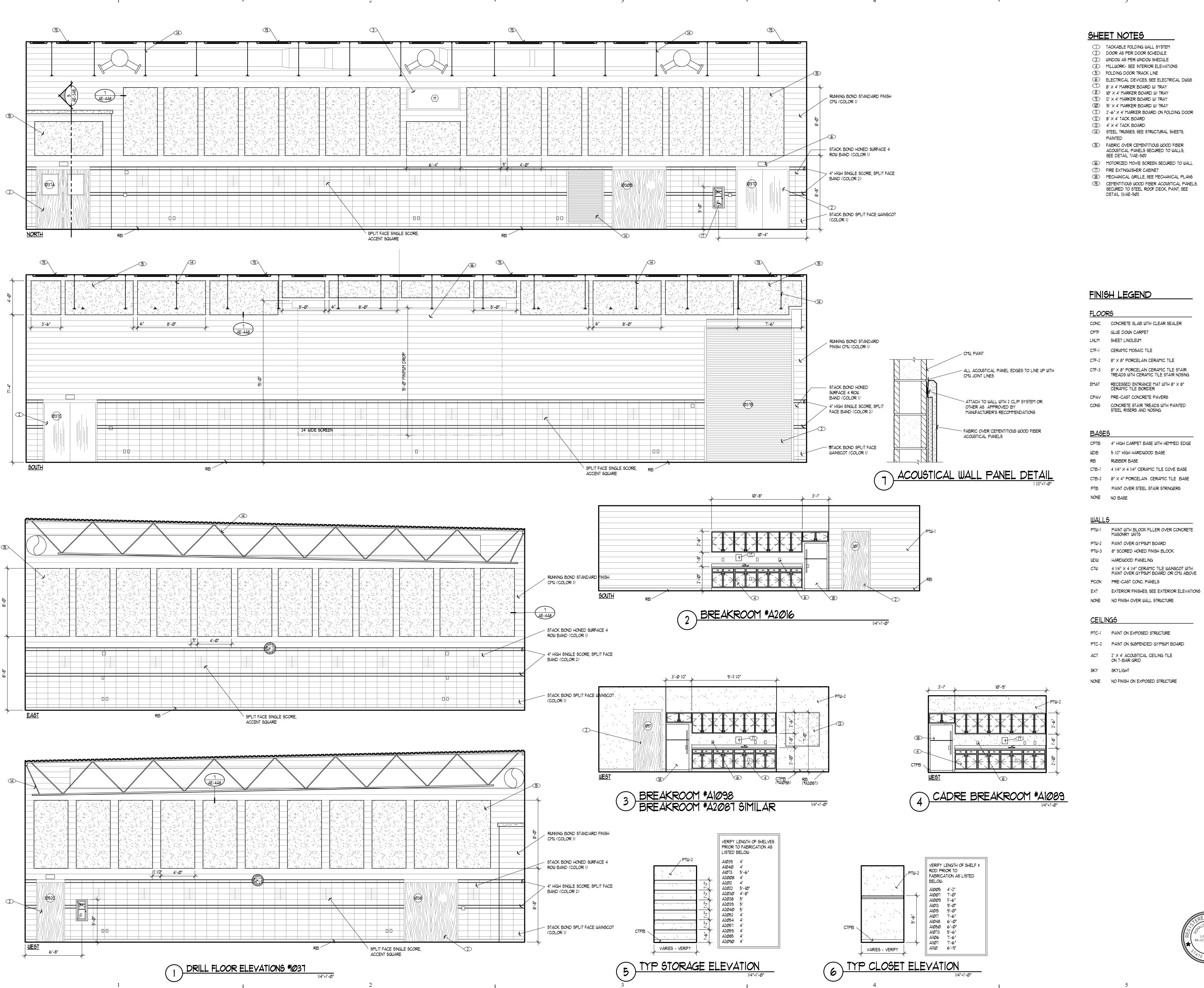


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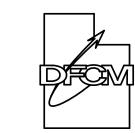
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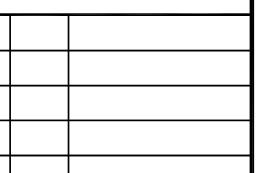
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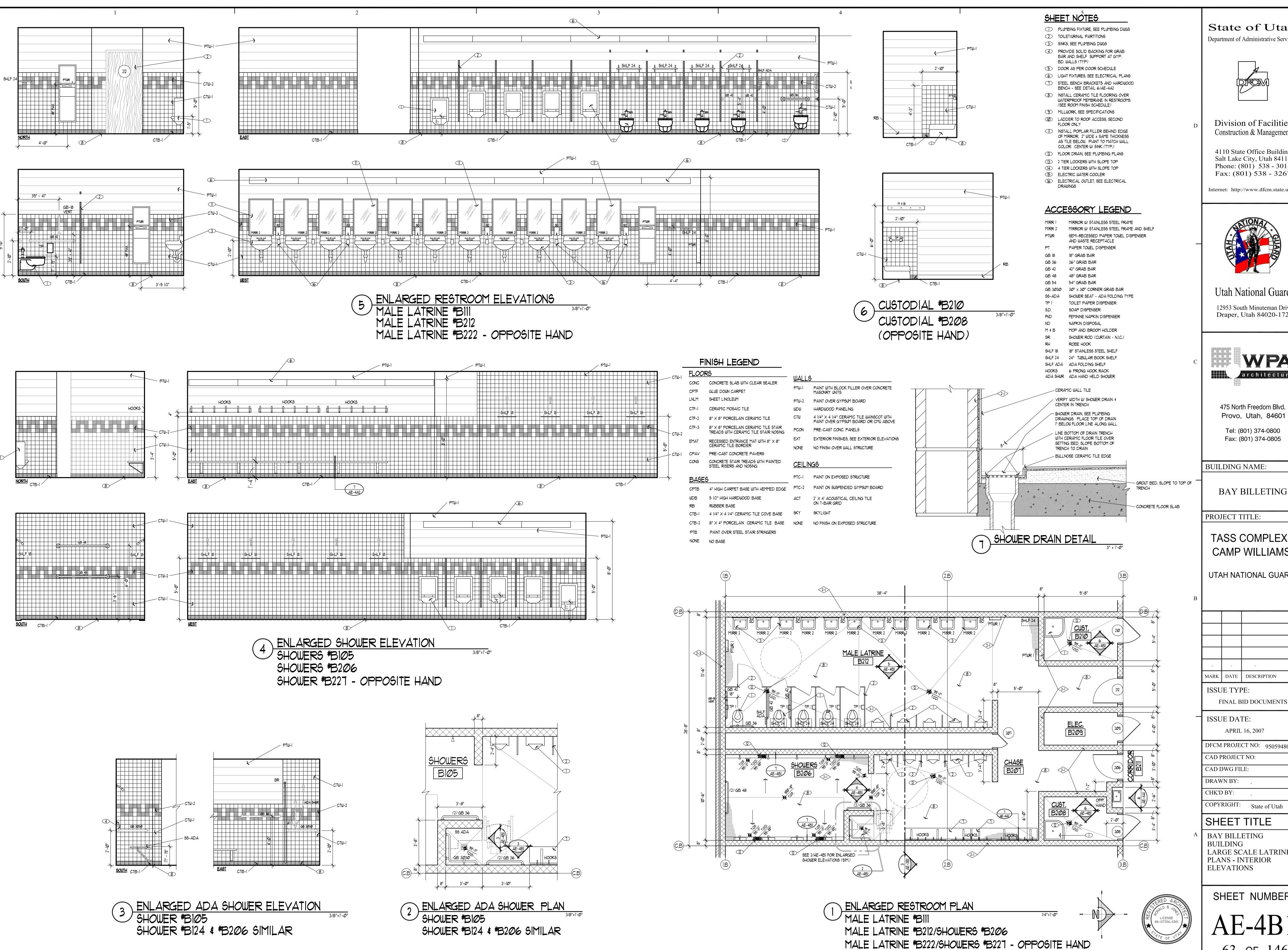
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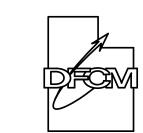
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ADMINISTRATION AND EDUCATION BUILDING DRILL FLOOR - INTERIOR ELEVATIONS

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AE-4A8





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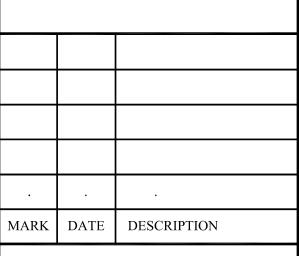
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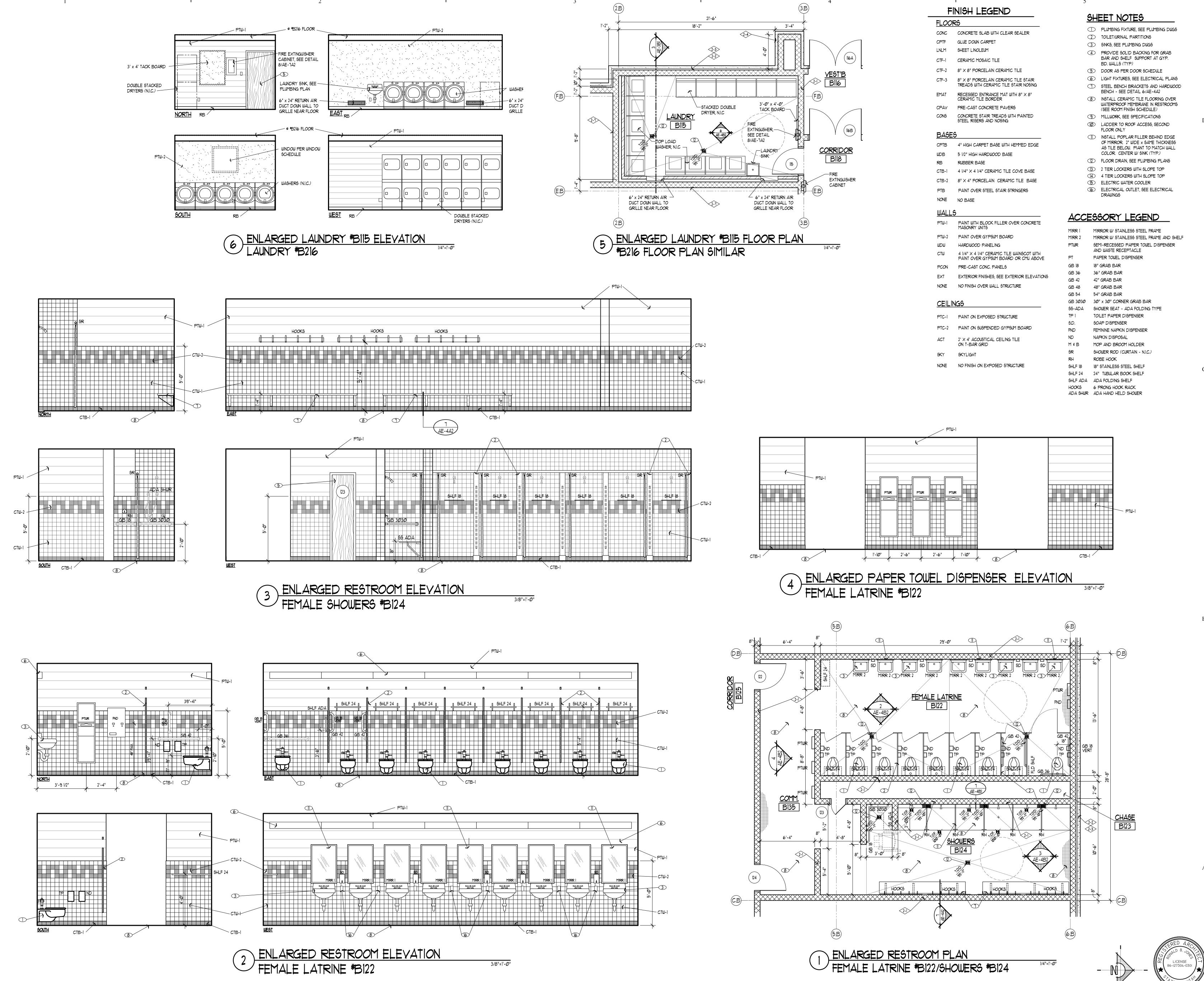
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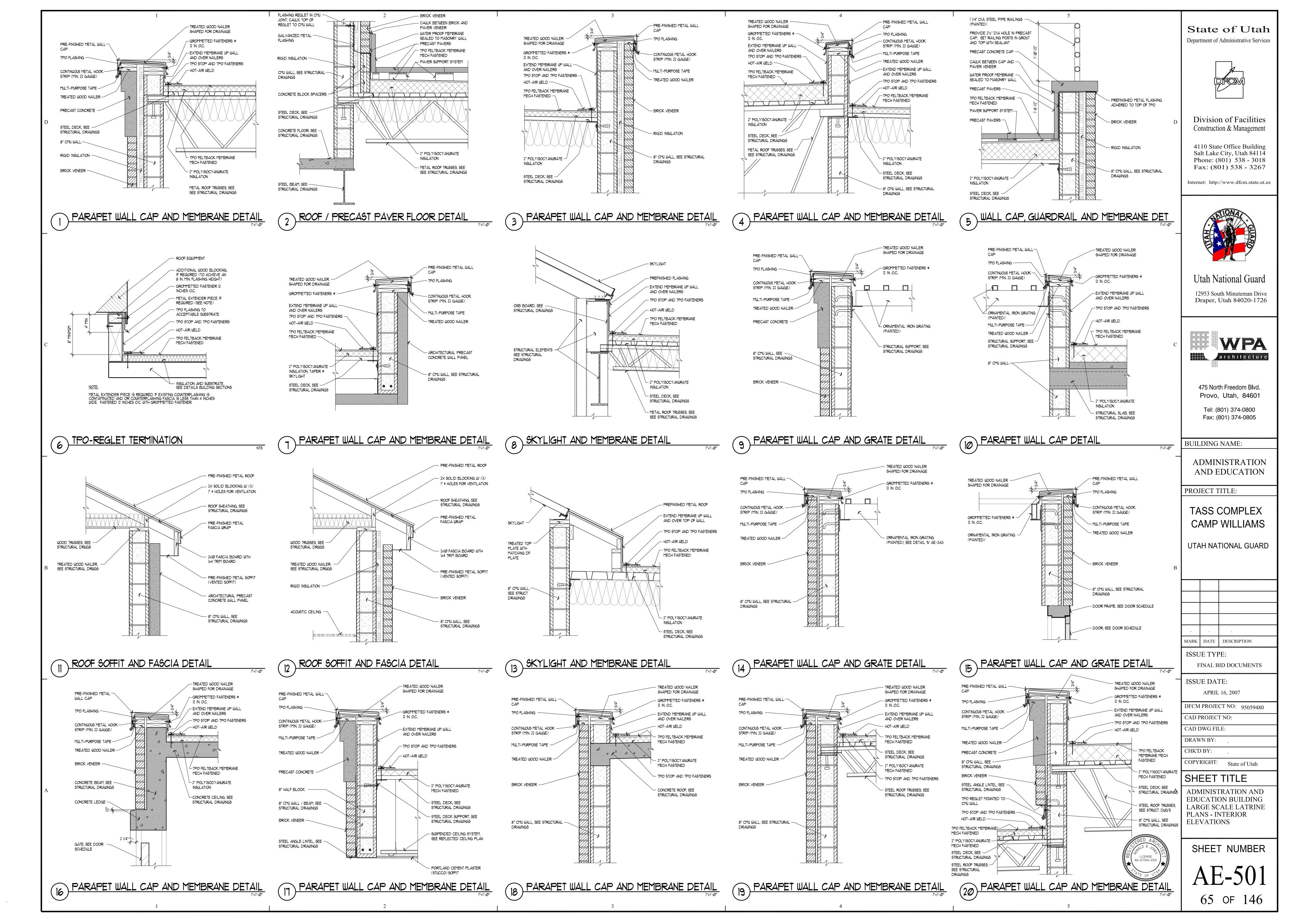
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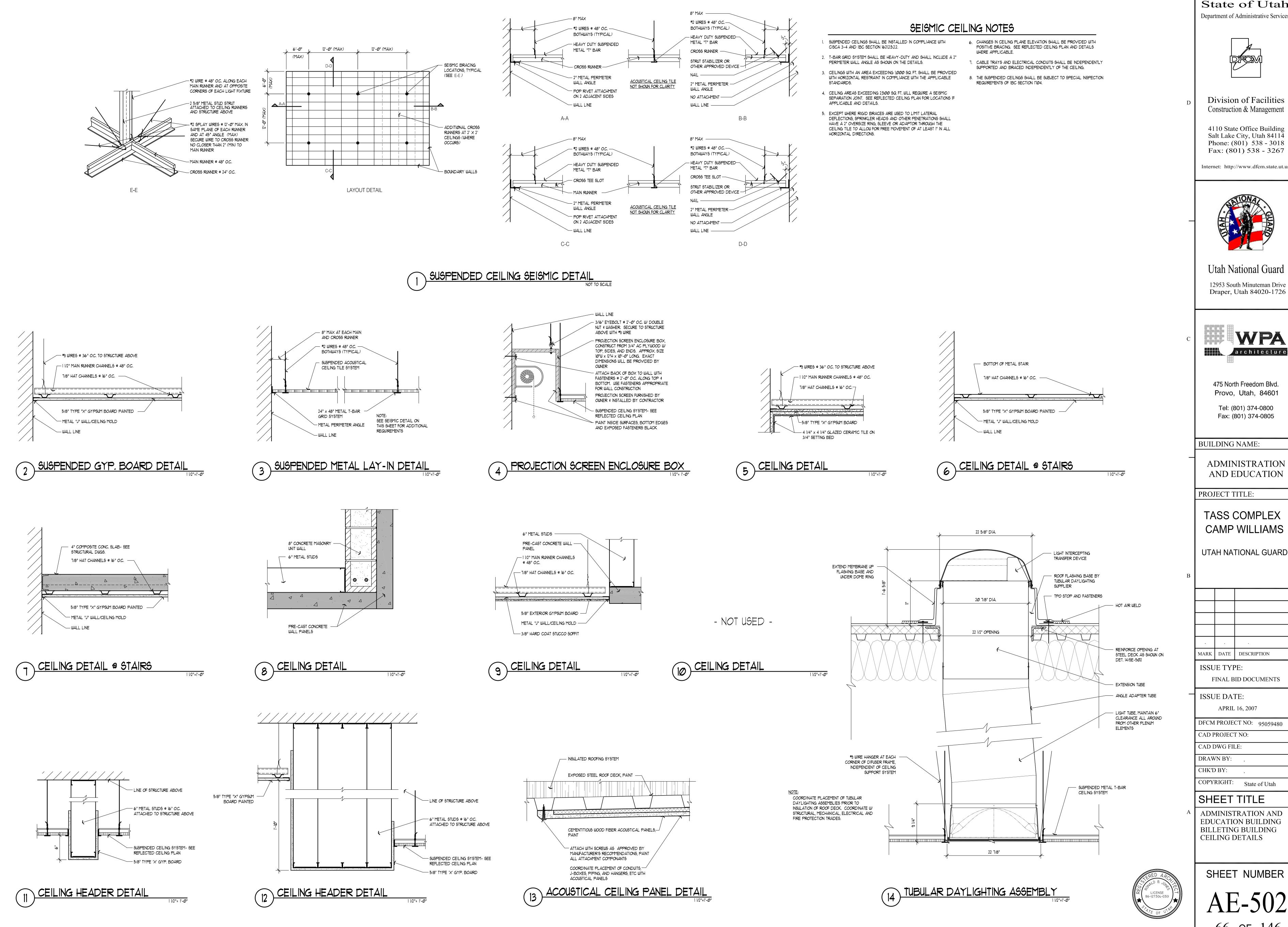
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BUILDING
LARGE SCALE LATRINE
PLANS - INTERIOR
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AE-4B2







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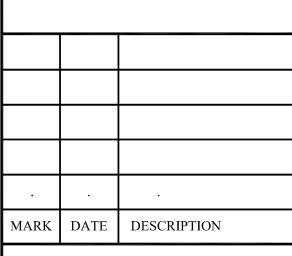
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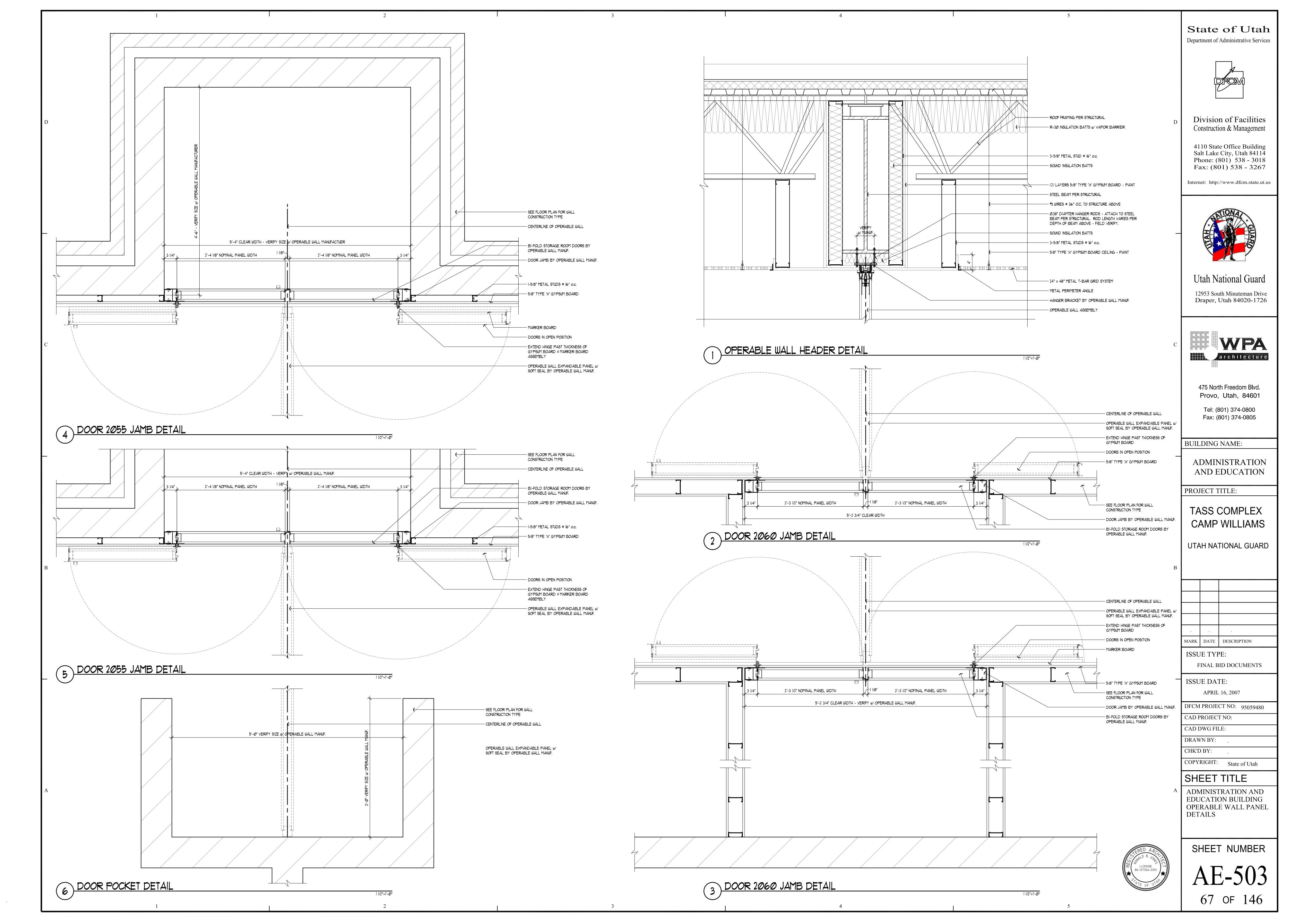
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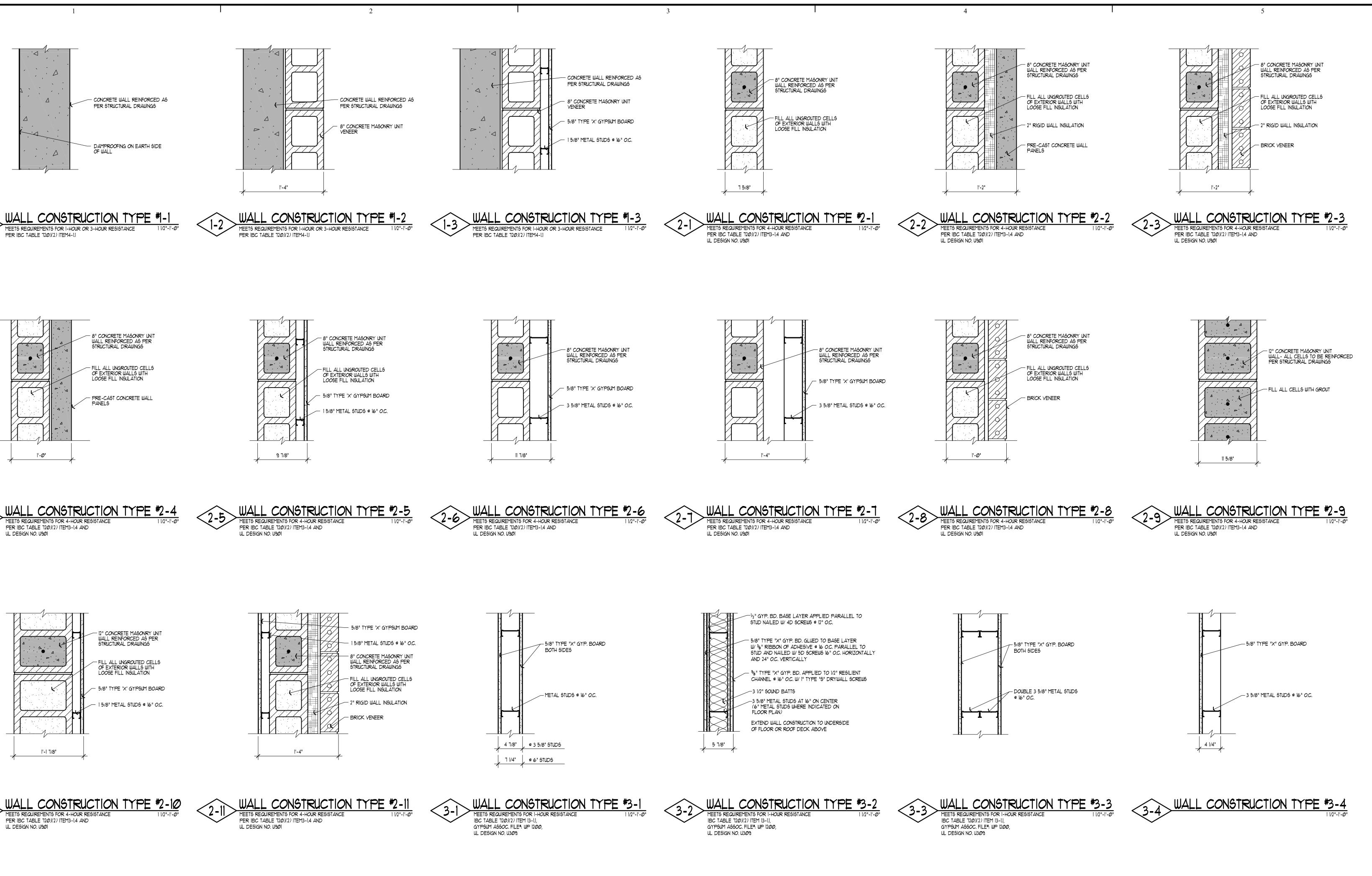
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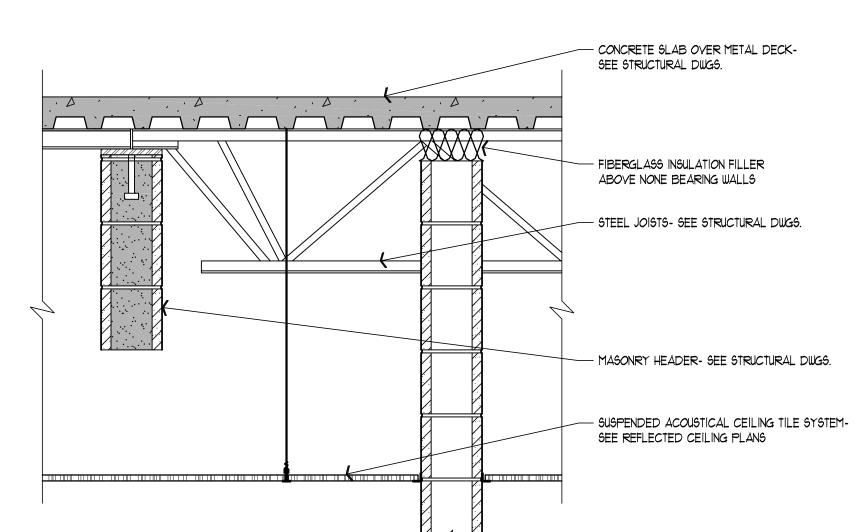
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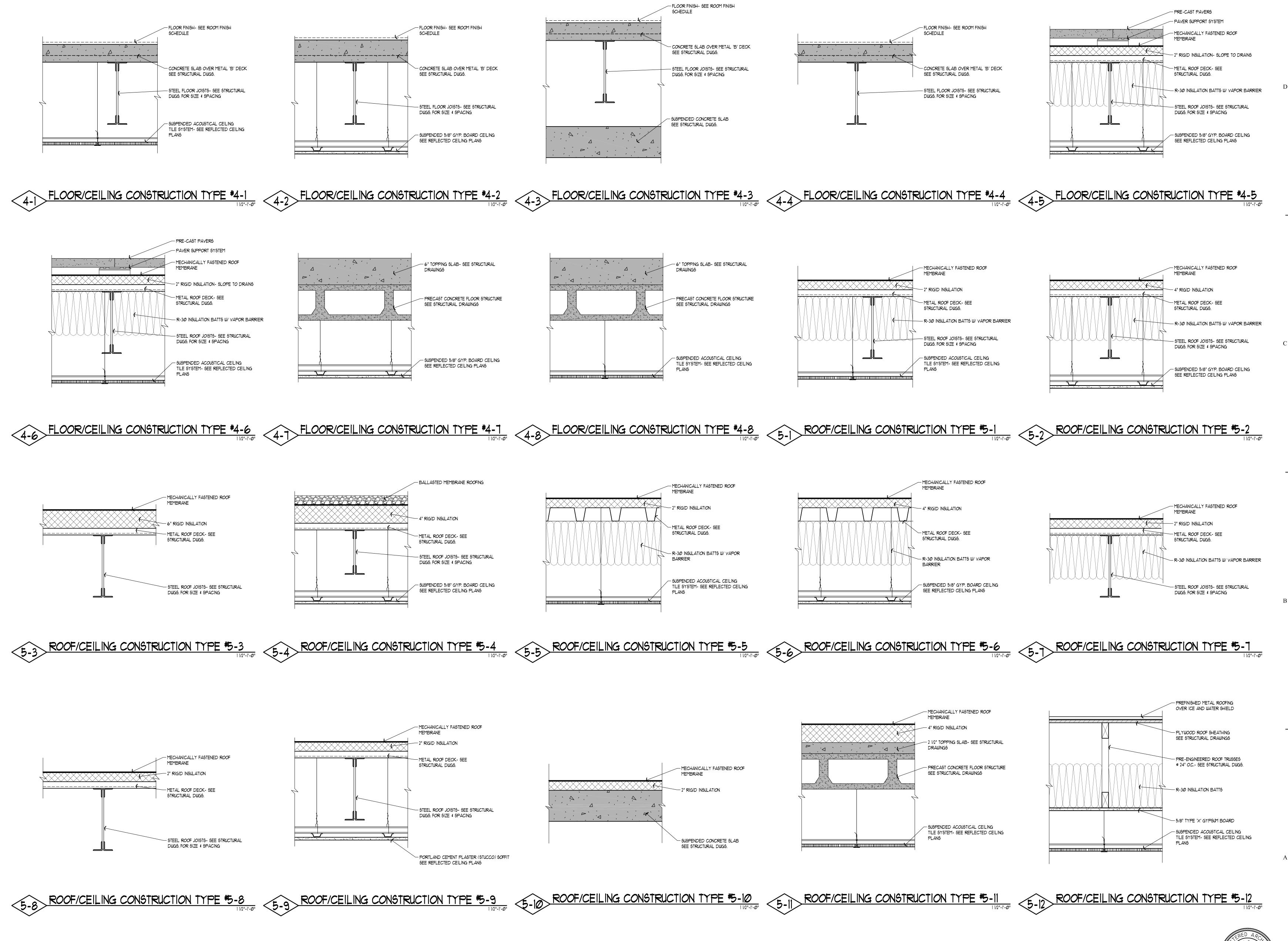
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WALL CONSTRUCTION **TYPES** 

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FLOOR/CEILING ROOF/CEILING CONSTRUCTION TYPES

SHEET NUMBER

AE-602

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RM. NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH	WALL EAST	FINISH SOUTH	WEST	CEILING	G FINISH REMAR	SM. NUMBER	RM. NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH	WALL I	FINISH SOUTH	WEST	CEILING FINISH FINISH HEIGHT	REMARKS	RM. NUMBER
A1000 A1001	VESTIBULE LOBBY	EMAT CTF-2	NONE CTB-2	PCON CMU-4	PCON CMU-4	FIRST FLOO PCON CMU-4	PCON CMU-4	PTC-2 PTC-2/9KY		A1000 A1001	A11Ø1 A11Ø2	91 OFFICE 91 OFFICE	CPTF-I	СРТВ СРТВ	CMU-2 CMU-2	GB-I	ST FLOOR (C GB-I GB-I	GB-I	ACT-I -		A11Ø1 A11Ø2
A1002 A1003	STAIRS  CONFERENCE ROOM	CTF-3	CTB-2 WDB	WDW	WDW	WDW	CMU-4 WDW	ACT-2		A1002 A1003	A11Ø3 A11Ø4	SI OFFICE  OPEN OFFICE	CPTF-1	CPTB CPTB	GB-1 GB-1	GB-I GB-I	CMU-2 CMU-2	GB-1 GB-1	ACT-1 - ACT-2 -		A11@3 A11@4
A1004 A1005	STAFF DUTY  CLOSET	CPTF-I	CPTB CPTB	CMU-2	GB-1 GB-1	GB-1 GB-1	CMU-2/GB-1 CMU-2	ACT-1 PTC-2		A1004 A1005	A11005	ASSIST, CMDT CLOSET	CPTF-2	CPTB CPTB	CMU-2 CMU-2	GB-I	GB-1 GB-1	GB-1 GB-1	ACT-2 - PTC-2 -		A1105 A1106
A1006	REGT CSM	CPTF-1	CPTB	GB-1	GB-I	GB-1	CMU-2/GB-1	ACT-1		A1006	AllØT	CL0 <del>S</del> ET	CPTF-I	CPTB	CMU-2	GB-I	GB-I	GB-1	PTC-2 -		AllØT
A1008	CLOSET REGT CDR	CPTF-I	CPTB CPTB	GB-1 CMU-2	GB-1 CMU-2	GB-1 CMU-2	CMU-2 CMU-2/GB-1	PTC-2 ACT-1		A1007 A1008	8011A 6011A	IST BN CMDT IST BN OPS SGT	CPTF-2	CPTB  CPTB	CMU-2 GB-1	CMU-2	GB-1 CMU-2	GB-I GB-I	ACT-2 - ACT-2 -		A1108 6011A
A1009  A1010	CLOSET  MECHANICAL	CPTF-1	CPTB NONE	GB-1 CMU-1	GB-1 CMU-1	CMU-2	CMU-2	PTC-2		(P)	A1110 A1111	CLOSET CHILLER	CPTF-I	CPTB NONE	GB-1 CMU-1	GB-1 CMU-1	CMU-2 CMU-1	GB-1 CMU-1	PTC-2 - NONE -		A1110 A1110
A1Ø11	CORRIDOR	CPTF-1	СРТВ		CMU-2	CMU-2	CMU-2	ACT-1		AlØII	A1112	GENERATOR	CONC	NONE	CMU-1	CMU-1	CMU-1	CMU-1	NONE -		AlllØ
A1Ø12 A1Ø13	HHD CDR & ISR CLOSET	CPTF-1	CPTB CPTB	CMU-2	CMU-2/GB-1 GB-1	CMU-2 GB-1	GB-I GB-I	ACT-1		A1Ø12 A1Ø13	Alli3	TRA6H	CONC	NONE	CMU-1	CMU-1	NONE ECOND FLO	OMU-1	NONE -		AlliØ
A1Ø14 A1Ø15	AO CLOSET	CPTF-I	CPTB CPTB	GB-1	CMU-2	CMU-2 GB-1	GB-I GB-I	ACT-1 PTC-2		A1Ø14 A1Ø15	A2000 A2001	STAIRS CORRIDOR	CTF-3	PTB CPTB				CMU-4	PTC-2 -	INCLUDING ACT-1 AND CTC	A2000 A2001
A1Ø16	OFFICE/ STOR.	CPTF-1	CPTB	CMU-2	CMU-2	GB-1	GB-1	ACT-1		AlØ16	A2ØØ2	STORAGE	vct	RB	CMU-2	CMU-2	GB-I	GB-I	PTC-2 -		A2002
A1Ø17 A1Ø18	CLOSET CORRIDOR	CPTF-1	CPTB CPTB	GB-1 CMU-2	GB-1	GB-1 CMU-2	GB-I	PTC-2 ACT-1		A1Ø17 A1Ø18	A2003 A2004	CORRIDOR STORAGE	CPTF-I	CPTB RB	CMU-2	CMU-2	CMU-2 GB-1	CMU-2 CMU-2	ACT-1 - ACT-1 -		A2003 A2004
A1019 A1020	TCO OFFICE TEST CONTROL STORAGE	CPTF-I	CPTB CPTB	CMU-2 GB-1	GB-1 GB-1	GB-1 CMU-2	GB-I	ACT-1		A1Ø19 A1Ø2Ø	A2005 A2006	PLDC 99GL PLDC 9GL	CPTF-I	CPTB CPTB	GB-I GB-I	CMU-2	CMU-2	CMU-2 GB-1	ACT-1 -		A2005 A2006
A1020	QA	CPTF-1	CPTB	CMU-2	GB-1	GB-1	CMU-2	ACT-1		A1021	A2000	PLDC 9GL	CPTF-I	CPTB	GB-1	CMU-2	GB-1	GB-I	ACT-I -		A2000
AlØ22 AlØ23	COMP STORAGE AUTOMATION NCO'S	CPTF-1	CPTB CPTB	GB-1 CMU-2	GB-1 GB-1	CMU-2	CMU-2	ACT-1		AlØ22 AlØ23	A2008 A2009	STORAGE PLDC CLASSROOM	CPTF-I	CPTB CPTB	GB-1 CMU-6	GB-I GB-I	GB-1 CMU-6	GB-I	PTC-2 - ACT-I/PTC-2 -		A2008 A2009
A1Ø24	BDF ROOM	CONC	NONE	GB-1	GB-I	CMU-2	GB-I	NONE		Al@24	A2Ø1Ø	CORRIDOR	CPTF-I	CPTB	CMU-2		CMU-2		ACT-I -		A2Ø1Ø
A1Ø25 A1Ø26	ELECTRICAL CORRIDOR	CONC CPTF-I	NONE CPTB	CMU-2	GB-1 CMU-2	GB-1 CMU-2	GB-I	NONE ACT-1		A1Ø25 A1Ø26	A2Ø11 A2Ø12	PLDC CLASSROOM STORAGE	CPTF-I	CPTB CPTB	CMU-6 GB-1	GB-I	CMU-6 GB-1	GB-1 GB-1	ACT-1/PTC-2 - PTC-2 -		A2Ø11 A2Ø12
A1Ø27 A1Ø28	VEST'B MEN	CPTF-1	CPTB CTB-I	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2		A1Ø27 A1Ø28	A2Ø13 A2Ø14	PLDC SGL CORRIDOR	CPTF-I	CPTB CPTB	CMU-2	GB-1 CMU-2	GB-1 CMU-2	CMU-2	ACT-1 -		A2Ø13 A2Ø14
AlØ29	CHA <del>S</del> E	CONC	NONE	NONE	NONE	CMU-1	NONE/CMU-1	NONE		A1Ø29	A2Ø15	PLDC 9GL	CPTF-I	CPTB	GB-I	GB-I	CMU-2	CMU-2	ACT-I -		A2Ø15
A1030 A1031	STORAGE SHOWERS	CONC CTF-1	NONE CPTB	CMU-2 CTW	CMU-2 CTW	CMU-2	CMU-2	ACT-1 PTC-2/CTC		A1Ø3Ø A1Ø31	A2Ø16 A2Ø17	BREAK ROOM  IDF ROOM	CPTF-I	CPTB  CPTB	CMU-2	CMU-2	CMU-2 CMU-2	CMU-2 CMU-2	ACT-1 - PTC-2 -		A2Ø16 A2Ø17
AlØ32 AlØ33	STAIRS SHOWERS	CONS CTF-1	PTB CTB-I	CMU-2	GB-1 CTW	CMU-2	CMU-2	PTC-2 PTC-2/CTC		AlØ32 AlØ33	A2Ø18 A2Ø19	OUTDOOR PATIO	CPAV CPTF-I	NONE CPTB	EXT CMU-2	EXT CMU-2	CMU-2	EXT	ACT-I -		A2Ø18 A2Ø19
AlØ34	WOMEN	CTF-1	CTB-I	CTW	CTW	CTW	CTW	PTC-2		A1034	A2Ø2Ø	STAIRS	CONS	PTB	CMU-2	GI IU-2	CMU-2	CMU-2	ACT-I -		A2Ø2Ø
A1035 A1036	CHASE CORRIDOR	CONC CPTF-1	NONE CPTB	CMU-1	NONE CMU-2	NONE	CMU-1 CMU-2	NONE ACT-1		AlØ35 AlØ36	A2Ø21 A2Ø22	MECHANICAL STORAGE	CONC	NONE RB	CMU-1 CMU-2	CMU-1 CMU-2	CMU-1 GB-1	CMU-1 GB-1	PTC-2 -		A2Ø21 A2Ø22
AlØ37	DRILL FLOOR	CONC	NONE	CMU-5	CMU-5	CMU-5	CMU-5	PTC-1		AIØ37	A2Ø23	BNOC SGL	CPTF-I	CPTB	CMU-2	GB-I	GB-1	GB-1	ACT-I -		A2Ø23
A1Ø38 A1Ø39	STORAGE STORAGE	CONC CPTF-1	NONE	CMU-2	CMU-2	CMU-2 GB-1	GB-1	ACT-1 PTC-2		8E@IA 6E@IA	A2Ø24 A2Ø25	CORRIDOR BNOC 9GL	CPTF-I	CPTB CPTB	CMU-2	GB-I	CMU-2 GB-1	CMU-2 CMU-2	ACT-1 -		A2Ø24 A2Ø25
A1040 A1041	ELECTRICAL CORRIDOR	CPTF-1	CPTB CPTB	CMU-2	GB-1	GB-1 CMU-2	GB-1 CMU-2	PTC-2		A1040 A1041	A2Ø26 A2Ø27	BNOC CLASSROOM  CORRIDOR	CPTF-1	CPTB CPTB	GB-I	CMU-6 CMU-2	GB-1 CMU-2	CMU-6 CMU-2	ACT-1 - ACT-1 -		A2Ø26 A2Ø27
A1Ø42	STORAGE	CPTF-1	CPTB	CMU-2	GB-I	GB-I	CMU-2	PTC-2		AlØ42	A2Ø28	BNOC CLASSROOM	CPTF-I	CPTB	GB-I	CMU-6	GB-I	CMU-6	ACT-1 -		A2Ø28
A1Ø43 A1Ø44	CLASSROOM CORRIDOR	CPTF-1	CPTB CPTB	GB-I	CMU-2 CMU-2	CMU-2	CMU-2	ACT-1		AlØ43 AlØ44	A2Ø29 A2Ø3Ø	BNOC SGL STORAGE	CPTF-I	CPTB RB	GB-I GB-I	GB-1 CMU-2	GB-1 CMU-2	CMU-2 CMU-2	ACT-1 - PTC-2 -		A2Ø29 A2Ø3Ø
AlØ45 AlØ46	CORRIDOR 2ND BN OPS SGT	CPTF-I	CPTB CPTB	CMU-2	CMU-2	CMU-2	CMU-2	ACT-1		AlØ45 AlØ46	A2Ø31 A2Ø32	CORRIDOR  BNOC BRANCH CHIEF	CPTF-I	CPTB CPTB	CMU-2 GB-1	CMU-2	CMU-2 CMU-2/GB-1	CMU-2 GB-1	ACT-I -		A2Ø31 A2Ø32
A1Ø47	2ND BN CDR	CPTF-1	CPTB	CMU-2	CMU-2	GB-1	CMU-2/GB-1	ACT-1		A1Ø47	A2Ø33	BNOC SSGL	CPTF-I	CPTB	GB-I	CMU-2	CMU-2	CMU-2	ACT-I -		A2Ø33
A1Ø48 A1Ø49	CLOSET  2ND BN NCOIC	CPTF-1	CPTB CPTB	GB-1 GB-1	GB-1 CMU-2	GB-1 CMU-2	CMU-2 CMU-2/GB-1	PTC-2 ACT-1		AlØ48 AlØ49	A2Ø34 A2Ø35	CORRIDOR STAIRS	CPTF-I	CPTB PTB	CMU-2	CMU-2	CMU-2 CMU-2	CMU-2	ACT-1 -		A2Ø34 A2Ø35
A1050 A1051	CLOSET CORRIDOR	CPTF-I	CPTB CPTB	GB-1 CMU-2	GB-1 CMU-2	CMU-2	CMU-2	PTC-2		A1050	A2Ø36 A2Ø31	BNOC CLASSROOM  CORRIDOR	CPTF-1	CPTB CPTB	GB-1 CMU-2	CMU-2	CMU-2	CMU-2	ACT-I -		A2Ø36 A2Ø37
A1Ø52	STAIRS	CONS	PTB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2		AlØ52	A2Ø38	STORAGE	VCT	RB	CMU-2	CMU-2	CMU-2/GB-1	GB-1	PTC-2 -		A2Ø38
A1Ø53 A1Ø54	LDR TNG CO BRANCH CHIEF  CA BRANCH CHIEF	CPTF-1	CPTB CPTB	CMU-2 GB-1	CMU-2 GB-1	CMU-2	GB-1 CMU-2	ACT-1		AlØ53 AlØ54	A2Ø39 A2Ø4Ø	STORAGE STORAGE	vct vct	RB RB	CMU-2	GB-I GB-I	GB-1 GB-1	GB-1 GB-1	PTC-2 -		A2Ø39 A2Ø4Ø
A1Ø55 A1Ø56	CORRIDOR	CPTF-I	CPTB CPTB	CMU-2	CMII 2	CMU-2 GB-1	CMU-2	ACT-1		A1Ø55 A1Ø56	A2Ø41	BNOC SGL BNOC SSGL	CPTF-I	CPTB	GB-I	GB-I	GB-1	CMU-2	ACT-1 -		A2Ø41
A1050 A1057	CA TNG CO LDR TNG CO	CPTF-1	CPTB	GB-1 GB-1	CMU-2	GB-I	CMU-2	ACT-1			A2Ø42 A2Ø43	BNOC 9GL	CPTF-I	CPTB  CPTB	GB-I GB-I	CMU-2	GB-1 CMU-2	CMU-2 GB-1	ACT-I -		A2Ø42 A2Ø43
A1Ø58 A1Ø59	OCS STAFF OCS CDR	CPTF-1	CPTB CPTB	CMU-2	CMU-2	GB-1 CMU-2	CMU-2	ACT-1		AlØ58	A2Ø44 A2Ø45	BNOC CLASSROOM  BNOC CLASSROOM	CPTF-I	CPTB CPTB	GB-1 CMU-6	CMU-6 CMU-6	GB-1 GB-1	CMU-6	ACT-1 -		A2Ø44 A2Ø45
A1060	OCS CLASSROOM	CPTF-1	CPTB	CMU-2	CMU-2	CMU-2	CMU-2	ACT-I		Al060	A2Ø46	NOT USED	- COTT I	- coto	- CD 1	-	-	-			A2Ø46
A10061 A10062	CLA66ROOM CORRIDOR	CPTF-I	CPTB CPTB	CMU-6 CMU-2	CMU-6	CMU-6 CMU-2	CMU-6 CMU-2	ACT-1		A10061 A10062	A2Ø47 A2Ø48	PLDC 9GL PLDC 9GL	CPTF-I	CPTB CPTB	GB-I GB-I	GB-I GB-I	CMU-2	CMU-2 GB-1	ACT-I - ACT-I -		A2Ø47 A2Ø48
A1063 A1064	STUDENT ADMIN. OPS SPT  OPS SGM	CPTF-1	CPTB CPTB	GB-1 GB-1	CMU-2	CMU-2 GB-1	GB-I GB-I	ACT-1		AlØ63 AlØ64	A2Ø49 A2Ø5Ø	PLDC 9GL PLDC 9GL	CPTF-I	CPTB CPTB	GB-I GB-I	GB-1 CMU-2	CMU-2	GB-1 GB-1	ACT-1 -		A2Ø49 A2Ø5Ø
A1065	OPS SGT	CPTF-1	CPTB	GB-I	GB-1	GB-I	CMU-2	ACT-I		Al065	A2Ø51	PLDC CLASSROOM	CPTF-I	CPTB		GB-1	CMU-2/GB-I	CMU-2	ACT-I/PTC-2 -		A2Ø51
A1066 A1067	WORK AREA 93	CPTF-I	CPTB CPTB	GB-I GB-I	CMU-2	GB-I GB-I	GB-1 GB-1	ACT-1		A1066 A1067	A2Ø52 A2Ø53	STORAGE PLDC CLASSROOM	CPTF-I	CPTB  CPTB	GB-I	GB-1 CMU-2	GB-1 CMU-2/GB-1	GB-I GB-I	PTC-2 - ACT-1/PTC-2 -		A2Ø52 A2Ø53
A1068 A1069	VAULT OPS STORAGE	CONC	NONE	CMU-1 GB-1	CMU-1 GB-1	CMU-1 GB-1	CMU-1 CMU-2	PTC-I ACT-I		890IA 690IA	A2Ø54 A2Ø55	STORAGE PANEL STORAGE	CPTF-1	CPTB CPTB	GB-1 CMU-2	GB-I	GB-1 CMU-2	GB-1 CMU-2	PTC-2 - PTC-2 -		A2Ø54 A2Ø55
AIØTØ	SERVICE HALL	CONC	NONE	CMU-2	CMU-2	CMU-2	CMU-2	ACT-1		AIØTØ	A2Ø56	PLDC CLASSROOM	CPTF-I	CPTB	CMU-2/GB-1	CMU-2		GB-1	ACT-1/PTC-2 -		A2Ø56
A1Ø71 A1Ø72	64 / PBO ELECTRICAL	CONC	NONE	CMU-2/GB-1 CMU-1	GB-1 CMU-1	CMU-1	CMU-2 CMU-1	ACT-1 PTC-2		AIØ71 AIØ72	A2Ø57 A2Ø58	STORAGE PLDC CLASSROOM	CPTF-I	CPTB CPTB	GB-1 CMU-2/GB-1	GB-I GB-I	GB-I	GB-1 CMU-2	PTC-2 - ACT-1/PTC-2 -		A2Ø57 A2Ø58
A1Ø73	MECHANICAL SUPPLY NCO'S	CONC	NONE NONE	CMU-1 CMU-2	CMU-1 CMU-2	CMU-1 CMU-2	CMU-1 CMU-2	PTC-2 ACT-1		AIØ73 AIØ74	A2Ø59 A2Ø6Ø	STORAGE PANEL STORAGE	CPTF-1	CPTB CPTB	GB-1 GB-1	GB-1 CMU-2	GB-1 GB-1	GB-I	PTC-2 - PTC-2 -		A2Ø59 A2Ø6Ø
A1Ø75	RECEIVING	CONC	NONE	CMU-2	CMU-2	CMU-2	CMU-2	ACT-1		A1Ø75	A2Ø61	PLDC 9GL	CPTF-I	CPTB	CMU-2	CMU-2	GB-I	GB-I	ACT-1 -		A2Ø61
A1Ø76 A1Ø77	DOCK MECHANICAL	CONC	NONE	EXT CMU-1	EXT CMU-1	CMU-1	EXT CMU-1	SOFFIT		A1Ø76 A1Ø77	A2062 A2063	PLDC 9GL CORRIDOR	CPTF-I	CPTB CPTB	CMU-2	GB-I	GB-1 CMU-2	GB-1 CMU-2	ACT-I -		A2Ø62 A2Ø63
8 F @   A   P   P   P   P   P   P   P   P   P	SUPPLY STORAGE  15SUE / RECEIVING	CONC	NONE NONE	CMU-2	CMU-2 CMU-2	CMU-2 CMU-2	CMU-2 GB-1	ACT-1		STOIA ETOIA	A2064 A2065	PLDC 9GL PLDC 9GL	CPTF-1	CPTB CPTB	CMU-2 CMU-2	GB-I GB-I	GB-1 GB-1	GB-1 CMU-2	ACT-I -		A2064 A2065
A1Ø8Ø	CORRIDOR	CPTF-1	CPTB	CMU-2	CMU-2	CMU-2	CMU-2	ACT-1		A1080	A2066	NOT USED	-	-	-	-	-	-			A2Ø66
A1081 A1082	STAIRS BILLETING	CONS CPTF-1	PTB CPTB	CMU-2	CMU-2 GB-1	CMU-2	CMU-2	PTC-2 ACT-1		A1081 A1082	A2067 A2068	STAIRS SGL	CTF-3	CTB-2 CPTB	CMU-2	CMU-2 GB-1	CMU-2	CMU-2 CMU-2	ACT-1 -		A2Ø63 A2Ø68
A1Ø83	STORAGE VEST'B	CPTF-I	CPTB CPTB	CMU-2	CMU-2	CMU-2	GB-1 CMU-2	ACT-1		AlØ83 AlØ84	A2Ø69 A2Ø7Ø	PLDC 55GL PLDC 55GL	CPTF-I	CPTB CPTB	CMU-2	GB-I	CMU-2	GB-I	ACT-I -		A2Ø69 A2Ø7Ø
A1Ø85	CORRIDOR	CPTF-1	CPTB	CMU-2		CMU-2	CMU-2	ACT-1		A1Ø85	A2Ø71	STORAGE	vct	RB	CMU-2	GB-I	CMU-2	GB-1	PTC-2 -		A2Ø71
A1086 A1087	MEDICS LATRINE	RSF RSF	LNLMB LNLMB	CMU-2 GB-1	GB-1 GB-1	CMU-2/GB-1 GB-1	CMU-2 GB-1	ACT-1 PTC-2		A1086 A1087	A2Ø73	PLDC 9GL PLDC 9GL	CPTF-I	CPTB CPTB	CMU-2 GB-1	GB-I GB-I	GB-1 GB-1	GB-1 CMU-2	ACT-I -		A2Ø72 A2Ø73
A1Ø88	EXAM ROOM  CADRE BREAK ROOM	RSF CPTF-1	LNLMB	CMU-2	GB-I	GB-1	GB-I	ACT-1		A1Ø88	A2Ø74	STORAGE CORRIDOR	VCT	RB	GB-I	GB-1 CMU-2	CMU-2	CMU-2	PTC-2 -		A2Ø74
A1089 A1090	ELEVATOR	CONC	CPTB NONE	GB-1 CMU-1	GB-1 CMU-1	CMU-2 CMU-1	GB-1 CMU-1	ACT-1 NONE		6801Y 0601Y	A2Ø75 A2Ø76	ELEVATOR	CONC	CPTB NONE	CMU-1	CMU-2 CMU-1	CMU-1	CMU-2 CMU-1	ACT-I - NONE -		A2Ø75 A2Ø76
A1091 A1092	WOMEN CORRIDOR	CTF-I	CTB-I CPTB	CTW	CTW CMU-2	CTW	CTW CMU-2	PTC-2 ACT-1		A1Ø91 A1Ø92	A2Ø78	STORAGE CORRIDOR	VCT CPTF-1	RB CPTB	CMU-2	CMU-2	GB-I	GB-1 CMU-2	PTC-2 - ACT-I -		A2Ø77 A2Ø78
A1Ø93	CHASE	CONC	NONE	NONE	NONE	CMU-1	NONE	NONE		A1Ø93	A2Ø19	STORAGE	vct	RB	GB-I	CMU-2	CMU-2	GB-1	PTC-2 -	IIIATERRAME MEMBRANIE IINIDER TII E	A2Ø79
A1Ø94 A1Ø95	CUSTODIAL ELEV. EQUIPMENT	CONC	NONE	CMU-1	GB-1 NONE	GB-1 NONE	CMU-2/GB-1 NONE	NONE PTC-2		A1Ø94 A1Ø95	A2Ø8Ø A2Ø81	WOMEN CHASE	CTF-1	CTB-1 NONE	NONE	CTW NONE	NONE	CTW NONE	PTC-2 - NONE -	WATERPROOF MEMBRANE UNDER TILE	A2Ø8Ø A2Ø81
A1096 A1097	MEN CHASE	CTF-1	CTB-I	CTW NONE	CTW NONE	CTW CMU-1	CTW NONE	PTC-2		A1096	A2Ø82 A2Ø83	CUSTODIAL MEN	CONC CTF-1	NONE CTB-1	CMU-2	GB-I CTW	GB-1 CTW	CMU-2/GB-1	NONE - PTC-2 -	WATERPROOF MEMBRANE UNDER TILE WATERPROOF MEMBRANE UNDER TILE	A2Ø82 A2Ø83
AlØ98	BREAK ROOM	RSF	LNLMB	CMU-2	CMU-2	CMU-2	GB-I	ACT-1		SPOIA	A2Ø84	PLDC CLASSROOM	CPTF-I	CPTB	CMU-6	GB-I	CMU-6	GB-1	ACT-I -		A2Ø84
A1099 A1100	CORRIDOR SI OPEN OFFICE	CPTF-I	CPTB CPTB	CMU-2 GB-1	GB-I	CMU-2	GB-I	ACT-I		6601Y	A2Ø85 A2Ø86	STORAGE CORRIDOR	CPTF-I	CPTB CPTB	GB-1 CMU-2	GB-I	GB-1 CMU-2	GB-I	PTC-2 - ACT-I -		A2Ø85 A2Ø86

10	I BUI	LDING)										
JMBER	NUMBER	ROOM NAME	FLOOR	BASE		WALL	FINISH		CEILING	G FINISH	REMARKS	NUMBER
RM. NUMBER	RM. NI	KOOW NAME	FINISH		NORTH	EAST	SOUTH	WEST	FINISH	HEIGHT	REWARKS	RM. NU
						SECC	ND FLOOR	(CONT.)				
AllØl	A2 <b>0</b> 87	BREAK ROOM	RSF	LNLMB	CMU-2	CMU-2	CMU-2	GB-1	ACT-1	-		A2Ø8
A11Ø2	A2Ø88	CHASE	CONC	NONE	NONE	NONE	NONE	NONE	NONE	-		A2Ø8
411Ø3	A2Ø89	PLDC CLASSROOM	CPTF-1	CPTB	CMU-6	GB-1	CMU-6	GB-1	ACT-1	-		A2Ø8
411/04	A2Ø9Ø	STORAGE	CPTF-1	CPTB	GB-1	GB-1	GB-I	GB-1	PTC-2	-		A2Ø9
411Ø5	A2Ø91	STORAGE	VCT	RB	GB-1	CMU-2	CMU-2	GB-1	PTC-2	-		A2Ø9
41106	A2Ø92	CORRIDOR	CPTF-1	CPTB	CMU-2	CMU-2		CMU-2	ACT-1	-		A2Ø9
AIIØT	A2 <b>0</b> 93	PLDC 5GL	CPTF-1	CPTB	GB-1	CMU-2	GB-I	GB-1	ACT-1	-		A2Ø9
A11Ø8	A2Ø94	PLDC SGL	CPTF-1	CPTB	CMU-2	GB-1	GB-I	GB-1	ACT-1	-		A2Ø9
41109	A2Ø95	PLDC BRANCH CHIEF	CPTF-1	CPTB	CMU-2	CMU-2	GB-1	GB-1	ACT-1	-		A2Ø9
AlliØ	A2Ø96	PLDC 55GL	CPTF-1	CPTB	GB-1	CMU-2	CMU-2	CMU-2	ACT-1	-		A2Ø9

### FINISH LEGEND

### FLOORS

CONC CONCRETE SLAB WITH CLEAR SEALER CPTF-I CARPET TILE (TYPE I)

CPTF-2 CARPET (TYPE II) RSF RUBBER SHEET FLOORING

CTF-I UNGLAZED CERAMIC MOSAIC TILE CTF-2 12" X 12" PORCELAIN CERAMIC TILE

CTF-3 12" X 12" PORCELAIN CERAMIC TILE STAIR TREADS WITH CERAMIC TILE STAIR NOSING

EMAT RECESSED ENTRANCE MAT WITH 12" X 12" CTF-2 GLAZED CERAMIC TILE BORDER CPAV PRE-CAST CONCRETE PAVERS

CONS CONCRETE STAIR TREADS WITH CLEAR SEALER & PAINTED STEEL RISERS AND NOSING VCT VINYL COMPOSITION TILE

CPTB 4" HIGH CARPET BASE WITH HEMMED EDGE LNLMB SHEET LINOLEUM COVE BASE

WDB 5 1/2" HIGH HARDWOOD BASE

CTB-I 4 1/4" X 4 1/4" CERAMIC TILE COVE BASE CTB-2 12" X 4" PORCELAIN CERAMIC TILE BASE

PTB PAINT OVER STEEL STAIR STRINGERS

### NONE NO BASE

CMU-1 CONCRETE MASONRY UNITS WITH NO FINISH CMU-2 CONCRETE MASONRY UNITS WITH BLOCK FILLER AND PAINTED FINISH

CMU-3 (NOT USED)

CMU-4 CONCRETE MASONRY UNITS: STACK BOND HONED SURFACE WAINSCOT (COLOR 1), 8" SINGLE SCORE, SPLIT FACE BAND (COLOR 2), WITH RUNNING BOND, SINGLE SCORE, STANDARD FINISH CMU ABOVE (COLOR I). PLACE 16" x 16" SQUARE OF 8" GLASS BLOCK @ 64" o.c. AT HEIGHT SHOWN ON INTERIOR ELEVATIONS. PROVIDE CLEAR SEALER ON MASONRY

UNITS UP TO CEILING LINE. CMU-5 CONCRETE MASONRY UNITS: STACK BOND SPLIT FACE WAINSCOT (COLOR 1), 4" SINGLE SCORE, SPLIT FACE BAND (COLOR 2), STACK BOND HONED SURFACE 4 ROW BAND (COLOR 1) w/ SPLIT FACE, SINGLE SCORE, ACCENT SQUARE @ 64" o.c., 4" SINGLE SCORE, SPLIT FACE BAND (COLOR 2) WITH RUNNING BOND, STANDARD FINISH CMU ABOVE (COLOR 1). PROVIDE CLEAR SEALER ON MASONRY

CMU-6 CONCRETE MASONRY UNITS: STACK BOND HONED SURFACE WAINSCOT (COLOR 1), 8" SINGLE SCORE, SPLIT FACE BAND (COLOR 2), WITH RUNNING BOND, STANDARD FINISH CMU ABOVE (COLOR 1). PROVIDE CLEAR SEALER ON MASONRY

UNITS UP TO SECOND 4" BAND.

UNITS UP TO CEILING LINE. GB-I PAINT OVER GYPSUM BOARD HARDWOOD PANELING

CTW 4 1/4"  $\times$  4 1/4" CERAMIC TILE WAINSCOT WITH PAINT OVER GYPSUM BOARD OR CMU ABOVE

PCON PRE-CAST CONC. PANELS EXT EXTERIOR FINISHES, SEE EXT. ELEVATIONS

NONE NO FINISH OVER WALL STRUCTURE ACT-1 2' X 4' ACOUSTICAL CEILING TILE WITH SQUARE EDGE ON T-BAR GRID

### CE12 NGS 4' ACOUSTICAL CEILING TILE WITH

ETE-1 FANT SY-FXPEERAAIPYELPEILING

BIC-2 BANT ON SUSPENDED GYPSUM BOARD

SOFFIT SUSPENDED PORTLAND CEMENT

PLASTER (STUCCO) SOFFIT

State of Utah Department of Administrative Services



Division of Facilities Construction & Management

4110 State Office Building Salt Lake City, Utah 84114 Phone: (801) 538 - 3018 Fax: (801) 538 - 3267

Internet: http://www.dfcm.state.ut.us



Utah National Guard

12953 South Minuteman Drive Draper, Utah 84020-1726



475 North Freedom Blvd. Provo, Utah, 84601

Tel: (801) 374-0800

Fax: (801) 374-0805

ADMINISTRATION

AND EDUCATION

PROJECT TITLE:

BUILDING NAME:

TASS COMPLEX CAMP WILLIAMS

UTAH NATIONAL GUARD

	•	·
MARK	DATE	DESCRIPTION
ISSU	JE TYF	PE:

FINAL BID DOCUMENTS

APRIL 16, 2007

ISSUE DATE:

DFCM PROJECT NO: 95059480

CAD PROJECT NO: CAD DWG FILE:

DRAWN BY: CHK'D BY:

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FINISH SCHEDULES

# FINISH SCHEDULE (BAY BILLETING BUILDING)

BER		WALL FINISH CE		CEILING	G FINISH						
RM. NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH							REMARKS	RM. NUMBER
KM.				NORTH EAST		SOUTH	WEST	FINISH	HEIGHT		RM.
			•	•	•	FIRST FLO	)R	1			
B100	VEST'B	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	ACT-1	-		B100
BIØI	STAIRS	CONC	RB	CMU-2	CMU-2	CMU-2	CMU-2	NONE	-		BlØ
BlØ2	MALE BAY	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		Blø
BIØ3	MALE BAY	R6F	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		BlØ:
BlØ4	MALE BAY	RSF CTT 1	RB CTR 1	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		BlØ-
B105 B106	SHOWERS CHASE	CTF-I	CTB-1	CTW CMU-1	CTW CMU-1	CTW CMU-1	CTW CMU-1	PTC-2/CTC	-		B1Ø1
B1Ø7	CUSTODIAL	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		Blø
BIØ8	CORRIDOR	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	ACT-1	-		Blø
BIØ9	ELECTRICAL	CONC	NONE	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		Bløs
BIIØ	CUSTODIAL	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		BIIØ
BIII	MALE LATRINE	CTF-1	CTB-I	CTW	CTW	CTW	CTW	PTC-2	-		Bill
B112	MALE BAY	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		BII2
BII3	MALE BAY	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		BII3
B114	MALE BAY	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		BII4
BII5	LAUNDRY	RSF	LNLMB	CMU-2	GB-I	GB-I	CMU-2	ACT-1	-		BIIS
BII6	VEST'B	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	ACT-1	-		Bile
ВІП	STAIRS	CONC	RG	CMU-2	CMU-2	CMU-2	CMU-2	ACT-1	-		BIIT
BII8	CORRIDOR	R6F	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	ACT-1	-		BII8
B119 B120	FEMALE BAY	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B119
B120 B121	FEMALE BAY FEMALE BAY	RSF RSF	LNLMB LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B126
B122	FEMALE LATRINE	CTF-1	CTB-1	CMU-2	CTW	CMU-2	CMU-2 CTW	PTC-2	-	•••	B122
B123	CHASE	CONC	NONE	CMU-1	CMU-1	CMU-1	CMU-1	NONE	-		B123
B124	SHOWERS	CTF-1	CTB-I	CTW	CTW	CTW	CTW	PTC-2/CTC	-		B124
B125	CORRIDOR	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	ACT-1	-		B125
B126	FEMALE BAY	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B126
B127	FEMALE BAY	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B127
B128	LOUNGE	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	ACT-1	-		B128
B129	FIRE RISER	CONC	NONE	CMU-I	CMU-1	CMU-1	CMU-1	PTC-2	-		B129
B13Ø	STORAGE	VCT	RB	CMU-2	CMU-2	CMU-2	CMU-2	ACT-1	-		B13@
B131	STORAGE	VCT	RB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		Bl3
B132	STORAGE	VCT	RB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B132
Bl33	CUSTODIAL	R6F	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B133
B134	CUSTODIAL	RSF VIST	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B134
B135	COMM.  ELECTRICAL	CONC	RB NONE	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B135
B137	STORAGE	VCT	RB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B13
Bl38	ELECTRICAL	CONC	NONE	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B138
B139	STORAGE	VCT	RB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B139
B14Ø	CUSTODIAL	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B140
B141	STORAGE	VCT	RB	CMU-1	CMU-1	CMU-1	CMU-1	PTC-2	-		B141
B142	MECHANICAL ROOM	CONC	NONE	CMU-1	CMU-1	CMU-1	CMU-1	NONE	-		B142
B143	STORAGE	VCT	RB	CMU-1	CMU-1	CMU-1	CMU-1	PTC-2	-		B143
B144	CHILLER	CONC	NONE	CMU-1	CMU-1	CMU-1	CMU-1	PTC-I	-		B144
Ī			1		S	ECOND FLO	OOR				- T
B2Ø1	STAIRS	CONC	RB	CMU-2	CMU-2	CMU-2	CMU-2	ACT-1	-		B2Ø
B2Ø2	STORAGE	VCT	RB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B2Ø
B2Ø3	MALE BAY	R6F	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B2Ø:
B2Ø4	MALE BAY	RSF DSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B20-
B2 <i>0</i> 5 B2 <i>0</i> 6	MALE BAY SHOWERS	R6F	LNLMB CTB-1	CMU-2 CTW	CMU-2	CMU-2 CTW	CMU-2 CTW	PTC-2/CTC	-	WATERPROOF MEMBRANE UNDER TILE	B2Ø
B200 B201	CHASE	CTF-I	NONE	CMU-1	CMU-1	CMU-1	CMU-1	NONE	-	WATERPROOF MEMBRANE UNDER TILE	B20
B2Ø8	CUSTODIAL	CONC	NONE	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	_	WATERPROOF MEMBRANE UNDER TILE	B2Ø
B2Ø9	ELECTRICAL	CONC	NONE	CMU-1	CMU-1	CMU-1	CMU-1	PTC-2	-		B2Ø
B21Ø	CUSTODIAL	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-	WATERPROOF MEMBRANE UNDER TILE	B210
B211	CORRIDOR	RSF	RB	CMU-2		CMU-2		ACT-1/SKY	-		B211
B212	MALE LATRINE	CTF-1	CTF-1	CTW	ctw	CTW	CTW	PTC-2	-	WATERPROOF MEMBRANE UNDER TILE	B212
B213	MALE BAY	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B213
B214	MALE BAY	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B214
B215	MALE BAY	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B215
B216	LAUNDRY	RSF	LNLMB	CMU-2	GB-I	CMU-2	CMU-2	ACT-1	-		B216
B217	MECHANICAL	CONC	NONE	CMU-1	CMU-1	CMU-1	CMU-1	PTC-2	-		B217
B218	STAIRS	CONC	RB INING	CMU-2	CMU-2	CMU-2	CMU-2	ACT-1	-		B218
B219	MALE BAY	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B219
B22Ø	MALE BAY	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B226
B221 B222	MALE BAY MALE LATRINE	RSF CTF-1	LNLMB CTB-1	CMU-2 CTW	CMU-2	CMU-2 CTW	CMU-2	PTC-2	-	WATERPROOF MEMBRANE UNDER TILE	B22
B223	CHASE	CONC	NONE	CMU-1	CMU-1	CMU-1	CMU-1	NONE	-	WATERPROOF MEMBRANE UNDER TILE	B223
B224	CUSTODIAL	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-	WATERPROOF MEMBRANE UNDER TILE	B224
B225	ELECTRICAL	CONC	NONE	NONE	NONE	NONE	NONE	PTC-2	-		B22!
B226	CUSTODIAL	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-	WATERPROOF MEMBRANE UNDER TILE	B226
B227	SHOWERS	CTF-1	CTB-1	CTW	CTW	CTW	CTW	PTC-2/CTC	-	WATERPROOF MEMBRANE UNDER TILE	B22
D22 1	MALE BAY	RSF	LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-	•••	B228
		T		CMIL 2	CMU-2	CMU-2	CMU-2	PTC-2	-		B229
	MALE BAY	RSF	LNLMB	CMU-2	Ciriu-2	Ciriu-2	Ciriu-2	1 10-2	I		D22.
B228	MALE BAY MALE BAY	RSF RSF	LNLMB LNLMB	CMU-2	CMU-2	CMU-2	CMU-2	PTC-2	-		B230

# FINISH LEGEND

CONC CONCRETE SLAB WITH CLEAR SEALER CPTF-1 GLUE DOWN CARPET

TREADS WITH CERAMIC TILE STAIR NOSING

EMAT RECESSED ENTRANCE MAT WITH 8"  $\times$  8" CERAMIC TILE BORDER CPAV PRE-CAST CONCRETE PAVERS

CONS CONCRETE STAIR TREADS WITH CLEAR SEALER & PAINTED STEEL RISERS AND NOSING YCT VINYL COMPOSITION TILE

CPTB 4" HIGH CARPET BASE WITH HEMMED EDGE LNLMB SHEET LINOLEUM COVE BASE WDB 5 1/2" HIGH HARDWOOD BASE

CTB-2 8" X 4" PORCELAIN CERAMIC TILE BASE

FILLER AND PAINTED FINISH

WDW HARDWOOD PANELING

CMU ABOVE PCON PRE-CAST CONC. PANELS

### <u>CEILINGS</u>

ACT-I 2'  $\times$  4' ACOUSTICAL CEILING TILE WITH SQUARE EDGE ON T-BAR GRID

CTC 4-1/4" x 4-1/4" CERAMIC TILE CEILING

RSF RUBBER SHEET FLOORING CTF-I CERAMIC MOSAIC TILE

CTF-2 8" X 8" PORCELAIN CERAMIC TILE CTF-3 8" X 8" PORCELAIN CERAMIC TILE STAIR

RUBBER BASE CTB-I 4 1/4" X 4 1/4" CERAMIC TILE COVE BASE

PTB PAINT OVER STEEL STAIR STRINGERS

NONE NO BASE

CMU-1 CONCRETE MASONRY UNITS WITH NO FINISH CMU-2 CONCRETE MASONRY UNITS WITH BLOCK

GB-I PAINT OVER GYPSUM BOARD

CTW 4 1/4"  $\times$  4 1/4" CERAMIC TILE WAINSCOT WITH PAINT OVER GYPSUM BOARD OR

EXT EXTERIOR FINISHES, SEE EXT. ELEVATIONS NONE NO FINISH OVER WALL STRUCTURE

PTC-I PAINT ON EXPOSED STRUCTURE

PTC-2 PAINT ON SUSPENDED GYPSUM BOARD

NONE NO FINISH ON EXPOSED STRUCTURE

State of Utah

Department of Administrative Services

Division of Facilities Construction & Management

4110 State Office Building

Salt Lake City, Utah 84114

Phone: (801) 538 - 3018 Fax: (801) 538 - 3267



Utah National Guard

12953 South Minuteman Drive

Draper, Utah 84020-1726



475 North Freedom Blvd. Provo, Utah, 84601

Tel: (801) 374-0800 Fax: (801) 374-0805

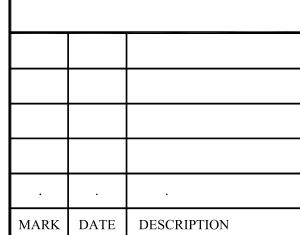
BUILDING NAME:

**BAY BILLETING** 

PROJECT TITLE:

TASS COMPLEX CAMP WILLIAMS

UTAH NATIONAL GUARD



ISSUE TYPE: FINAL BID DOCUMENTS

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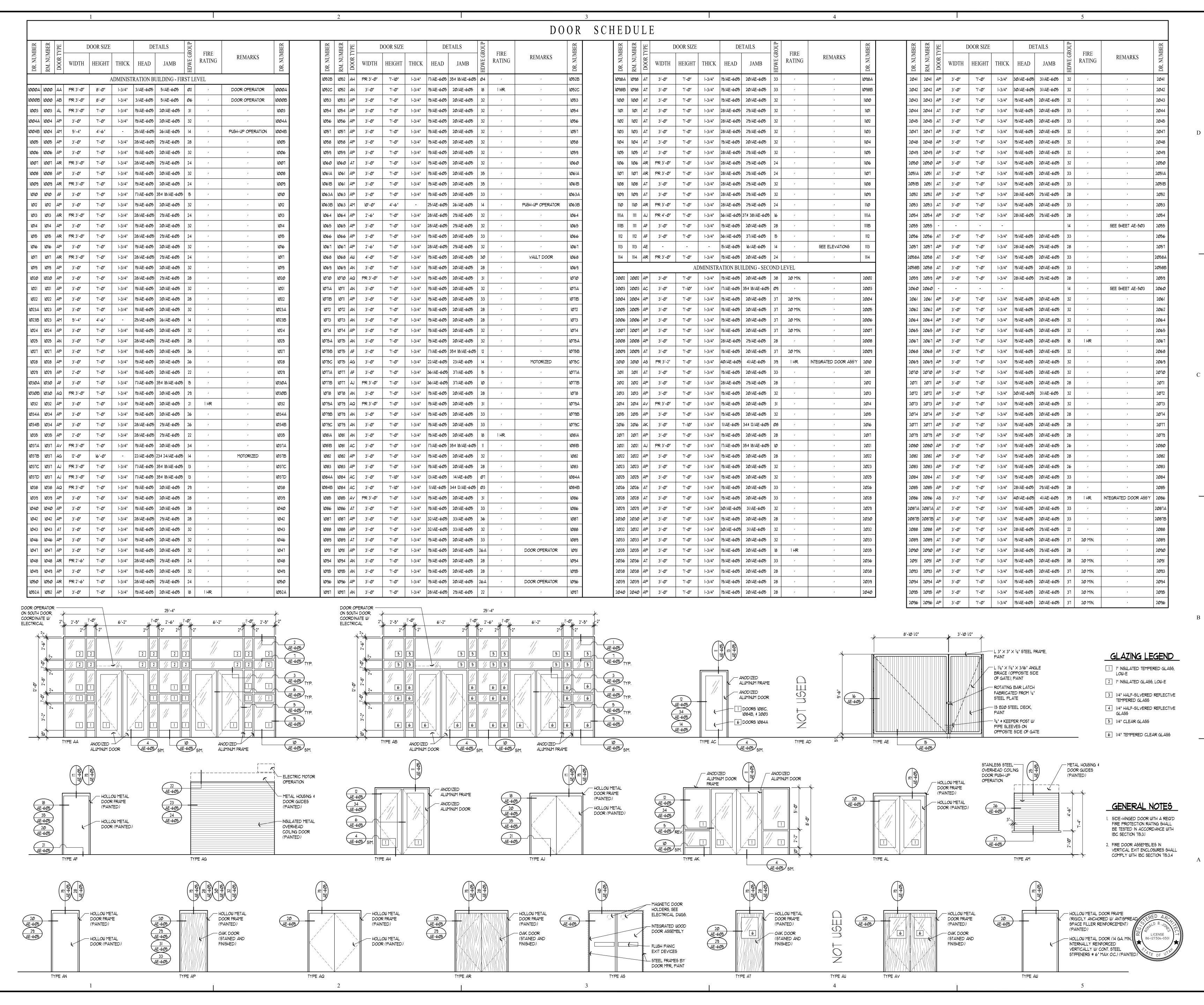
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Division of Facilities Construction & Management

4110 State Office Building Salt Lake City, Utah 84114 Phone: (801) 538 - 3018 Fax: (801) 538 - 3267

Internet: http://www.dfcm.state.ut.us



Utah National Guard

12953 South Minuteman Drive
Draper, Utah 84020-1726



475 North Freedom Blvd. Provo, Utah, 84601

Fax: (801) 374-0805

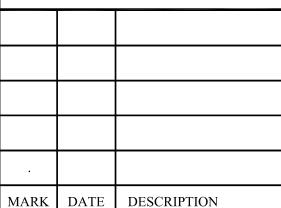
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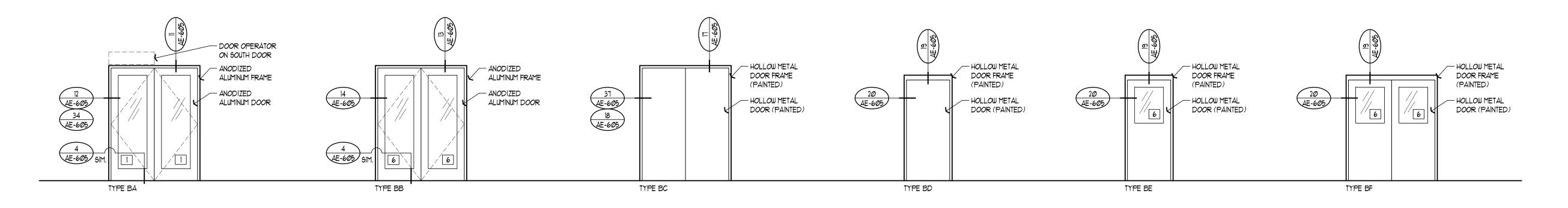
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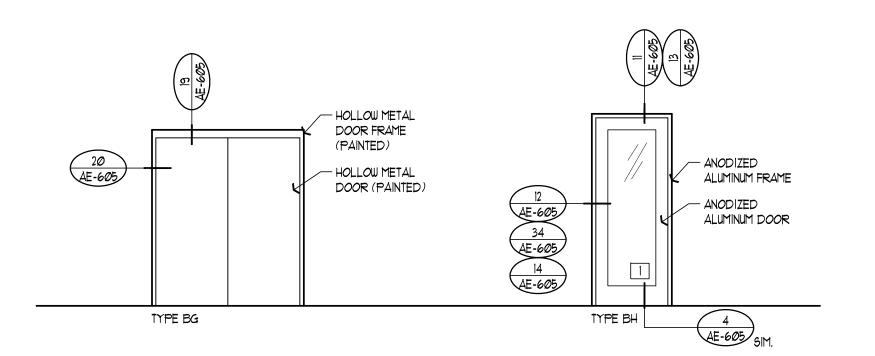
SHEET TITLE

ADMINISTRATION BUILDING DOOR SCHEDULE

SHEET NUMBER

AE-6A4





# GLAZING LEGEND

- I" INSULATED TEMPERED GLASS, LOW-E
- 2 1" INSULATED GLASS, LOW-E
- 3 1/4" HALF-SILVERED REFLECTIVE TEMPERED GLASS
  4 1/4" HALF-SILVERED REFLECTIVE GLASS
- 5 1/4" CLEAR GLASS6 1/4" TEMPERED CLEAR GLASS

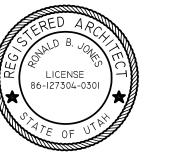
### GENERAL NOTES

- SIDE-HINGED DOOR WITH A REQ'D FIRE PROTECTION RATING SHALL BE TESTED IN ACCORDANCE WITH IBC SECTION 115.3.1
- 2. FIRE DOOR ASSEMBLIES IN VERTICAL EXIT ENCLOSURES SHALL

COMPLY WITH IBC SECTION 715.3.4

3. DOOR ASSEMBLIES IN CORRIDORS
WITH A FIRE PROTECTION OF 30
MINUTES SHALL BE TESTED IN
ACCORDANCE WITH IBC SECTION

				D	001	R S	CHEI		LE		
DR. NUMBER	RM. NUMBER	DOOR TYPE	WIDTH	OOOR SIZE	THICK	DE HEAD	JAMB	HDWE GROUP	FIRE RATING	REMARKS	DP MIMBER
				I	BAY BILL	ETING BU	ILDING - FIRS	T FL	OOR		
ØØA	100	ВА	PR 3'-0"	7'-10"	1-3/4"	11/AE-6 <i>0</i> 5	12 <b>≰</b> 34/AE-6Ø5	ØI	,	ı	100
00B	100	BD	3' <b>-Ø'</b>	7'-0"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	18	1 HR.	,	100
00C	100	BD	3'- <b>0'</b>	7'-0"	1-3/4"	19/AE-6Ø5	20/AE-605	18	1 HR.	,	100
1Ø1 1Ø2	1001	BD BD	3'- <b>0'</b> 	7'-Ø" 7'-Ø"	1-3/4 <b>'</b> 1-3/4 <b>'</b>	19/AE-6 <i>0</i> 5	20/AE-605 20/AE-605	18 19	1 HR. 20 MIN.	,	10
102	102	BD	3'-0'	7'-0"	1-3/4	19/AE-605	20/AE-605	19	20 MIN.	,	10
104	104	BD	3'- <b>0'</b>	7'-0"	1-3/4"	19/AE-605	20/AE-605	19	20 MIN.	,	10
105	1Ø5	BD	3' <b>-Ø'</b>	7'-0"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.	,	10
106	106	BD	1'-8"	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	22	,	,	10
107	107	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	20	20 MIN.	,	10
109	109	BD	3' <b>-Ø'</b>	יש-'ד"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	20	20 MIN.	,	10
110	110	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	20	20 MIN.	,	11
111	111	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.	,	1
112	112	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.	,	11
113	113	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.	,	11
114	114	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.	,	11.
115	115	BE	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	23	20 MIN.	,	113
1164	116	BA	PR 3'-0"	7'-10'	1-3/4"	11/AE-605	12 \$ 34/AE-605	Ø1-A	,		116
116B	116	BB	PR 3'-0"	7'-10'	1-3/4'	13/AE-605	14/AE-605	Ø5 19	, 1 HB		116
117A  117B	117	BD BH	3'- <b>0'</b> 	7'-0" 7'-10"	1-3/4 <b>'</b> 1-3/4 <b>'</b>	19/AE-6 <i>0</i> 5	20/AE-605 12 \$34/AE-605	19	1 HR.	,	11
1184	118	BD BD	3'-Ø'	7'-0"	1-3/4	19/AE-605	20/AE-605	18	,	,	118
118B	118	BD	3'- <b>0'</b>	7'-0"	1-3/4"	19/AE-605	20/AE-605	18	,	,	118
119	119	BD	3'- <b>0'</b>	7'-@"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.	ı	11
12Ø	120	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.	,	12
121	121	BD	3'- <b>0'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.	ı	12
122	122	BD	3' <b>-Ø'</b>	7'-0"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.	,	12
123	123	BD	1'-8"	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	22	,	,	12
124	124	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.	,	12
126	126	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.	,	12
127	127	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.	,	12
128	128	BF	PR 3'-0"	1'-0"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	25	1 HR.	,	12
129	129	BG	PR 3'-0"	7'-0"	1-3/4"	19/AE-6Ø5	20/AE-605	27	1 HR.	,	12
13Ø 131	13Ø 131	BD BD	3'- <b>0'</b> 	7'- <b>0"</b> 7'- <b>0</b> "	1-3/4 <b>'</b> 1-3/4 <b>'</b>	19/AE-6 <i>0</i> 5	20/AE-605 20/AE-605	20	20 MIN. 20 MIN.	,	13
132	132	BD BD	3'-0'	7'-0"	1-3/4	19/AE-605	20/AE-605	20	20 MIN.	,	13
133	133	BD		7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	20	20 MIN.	,	13
134	134	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	20	20 MIN.	ı	13
135	135	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	2Ø	20 MIN.	,	13
136	136	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	20	20 MIN.	,	13
137	137	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	20	20 MIN.	,	13
138	138	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	2Ø	20 MIN.	,	13
139	139	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	2Ø	20 MIN.	,	13
140	140	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	20	20 MIN.	,	14
141	141	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	٦٦	1 HR.	,	14
142	142	ВС	PR 3'-0"	7'-10"	1-3/4"	17/AE-6 <i>0</i> 5	314 18/AE-605	10	,	,	]4
143	143	BD	3'- <b>0'</b>	7'-0"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	17	1 HR.	,	14
144	144	ВС	PR 3'-Ø"	1'-10 <b>'</b>	1-3/4"	17/AE-6 <i>0</i> 5	314 18/AE-605	ND E	, , , , , , , , , , , , , , , , , , ,	,	14
2Ø2	2Ø2	BD	3'- <b>0'</b>	B'-ø'	AY BILLE	11NG BUII 19/AE-6 <i>0</i> 5	LDING - SECO: 20/AE-605	ND F.	LOOR 20 MIN.	,	26
2 <i>0</i> 2 2 <i>0</i> 3	202	BD BD	3'-Ø' 3'- <b>Ø'</b>	7'-0"	1-3/4"	19/AE-605	20/AE-605 20/AE-605	19	20 MIN. 20 MIN.	,	20
203	203	BD	3'-Ø'	7'-0"	1-3/4	19/AE-605	20/AE-605	19	20 MIN.	,	20
205	205	BD	3'- <b>Ø'</b>	7'-@"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.	,	20
206	206	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.	,	20
2Ø7	2Ø7	BD	1'-8"	7'-0"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	22	,	,	20
208	208	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	20	20 MIN.	,	20
2Ø9	209	BD	3' <b>-Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	2Ø	20 MIN.	,	20
210	21Ø	BD	3'- <b>0'</b>	7'-0"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	20	20 MIN.	,	21
212	212	BD	3'- <b>Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.	,	2
2 3	213	BD	3'- <b>0'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.	ı	2
214	214	BD	3'- <b>0'</b>	7'-Ø"	1-3/4"	19/AE-605	20/AE-605	19	20 MIN.	,	2
215	215	BD	3'-0'	7'-0"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.		2
216	216	BE	3'- <b>0'</b>	7'-0"	1-3/4'	19/AE-605	20/AE-605	19	20 MIN.		2
217	217	BD BD	3'- <b>0'</b> 	7'-Ø" 7'-Ø"	1-3/4 <b>'</b> 1-3/4 <b>'</b>	19/AE-6 <i>0</i> 5	20/AE-605 20/AE-605	2Ø 18	20 MIN. 1 HR.	,	2
218	218	BD BD	3'- <b>0'</b> 3'- <b>0'</b>	7'-Ø'	1-3/4"	19/AE-605	20/AE-605 20/AE-605	19	1 HR. 20 MIN.	,	2
219	219	BD BD	3'-0' 3'-0'	7'-0"	1-3/4"	19/AE-605	20/AE-605 20/AE-605	19	20 MIN.	,	22
220	220	BD BD	3'-0'	7'-0"	1-3/4"	19/AE-605	20/AE-605	19	20 MIN.	,	22
222	222	BD	3'-Ø <b>'</b>	7'-0"	1-3/4	19/AE-605	20/AE-605	19	20 MIN.	,	2:
223	223	BD	1'-8"	7'-0"	1-3/4'	19/AE-605	20/AE-605	22	,	,	22
224	224	BD	3'- <b>0'</b>	7'-0"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	20	20 MIN.	,	22
225	225	BD	3'- <b>Ø'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	20	20 MIN.	ı	22
226	226	BD	3'- <b>0'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	20	20 MIN.	,	22
227	227	BD	3'- <b>0'</b>	7'-Ø"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.	,	22
	228	BD	3' <b>-Ø'</b>	7'-0"	1-3/4"	19/AE-6 <i>0</i> 5	20/AE-605	19	20 MIN.	,	22
228	120	1 1						<b>-</b>			-
228	220	. 1		I	<u>'</u>		-				



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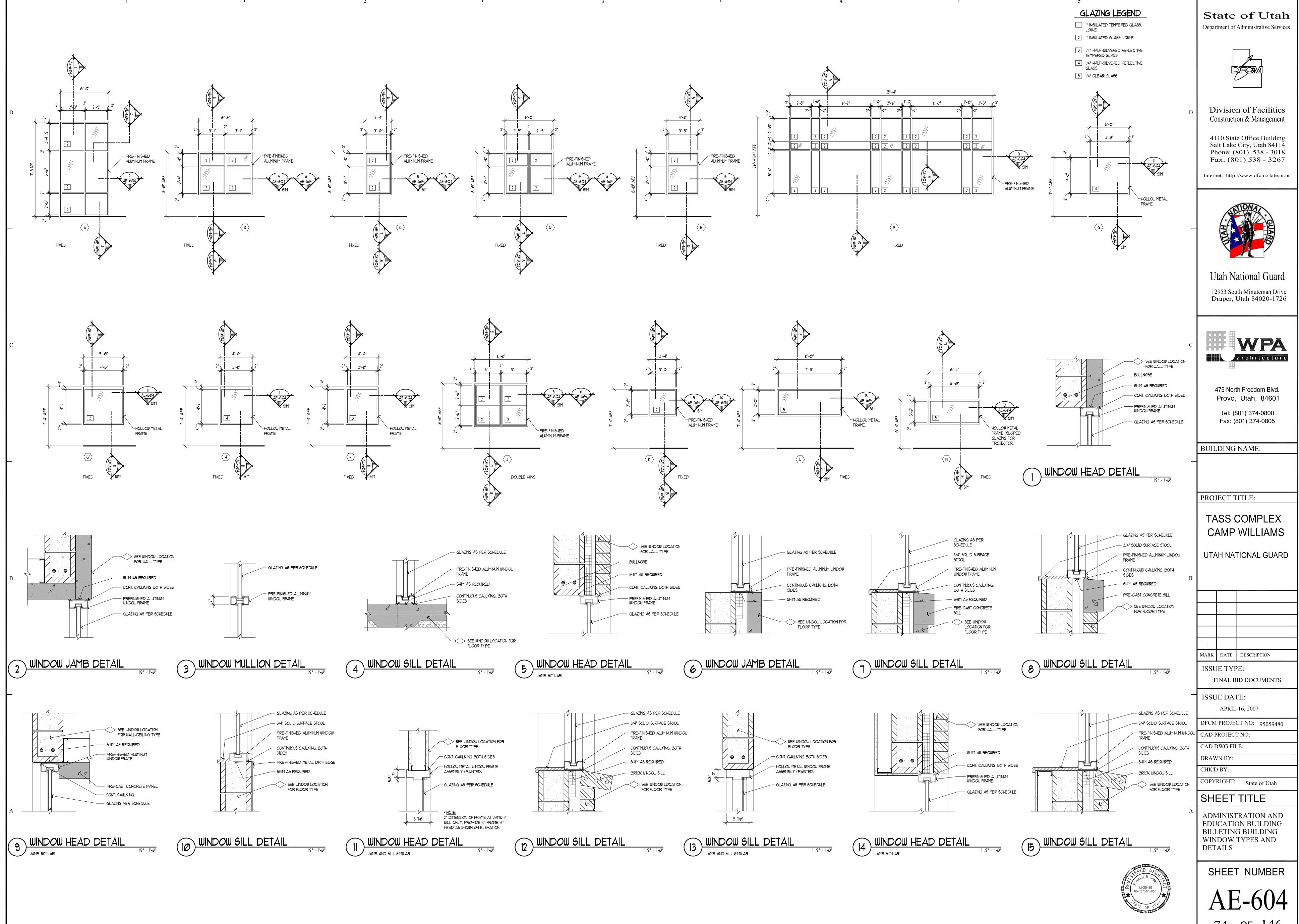
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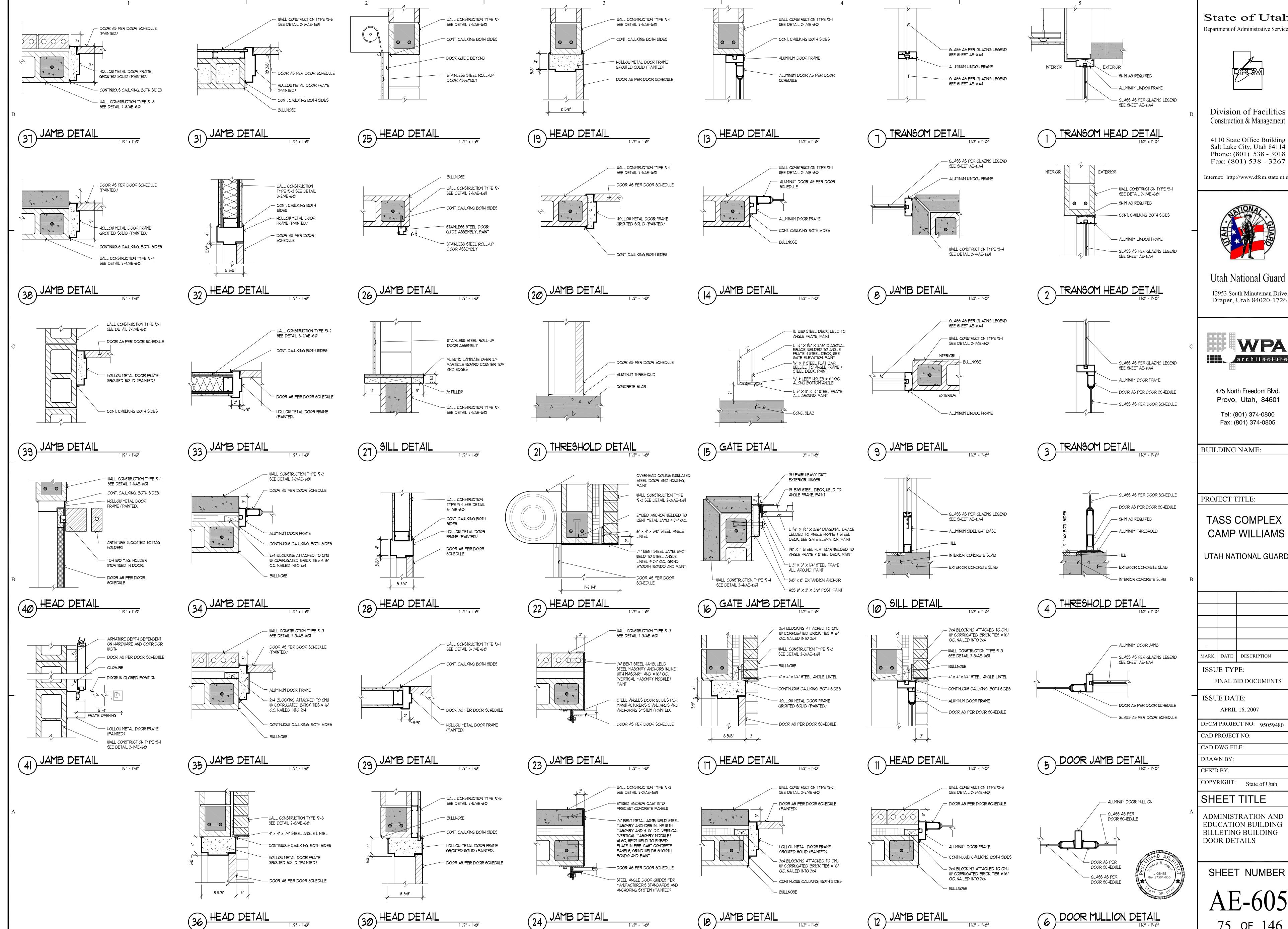
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BILLETING BUILDING DOOR SCHEDULE

SHEET NUMBER

AE-6B4







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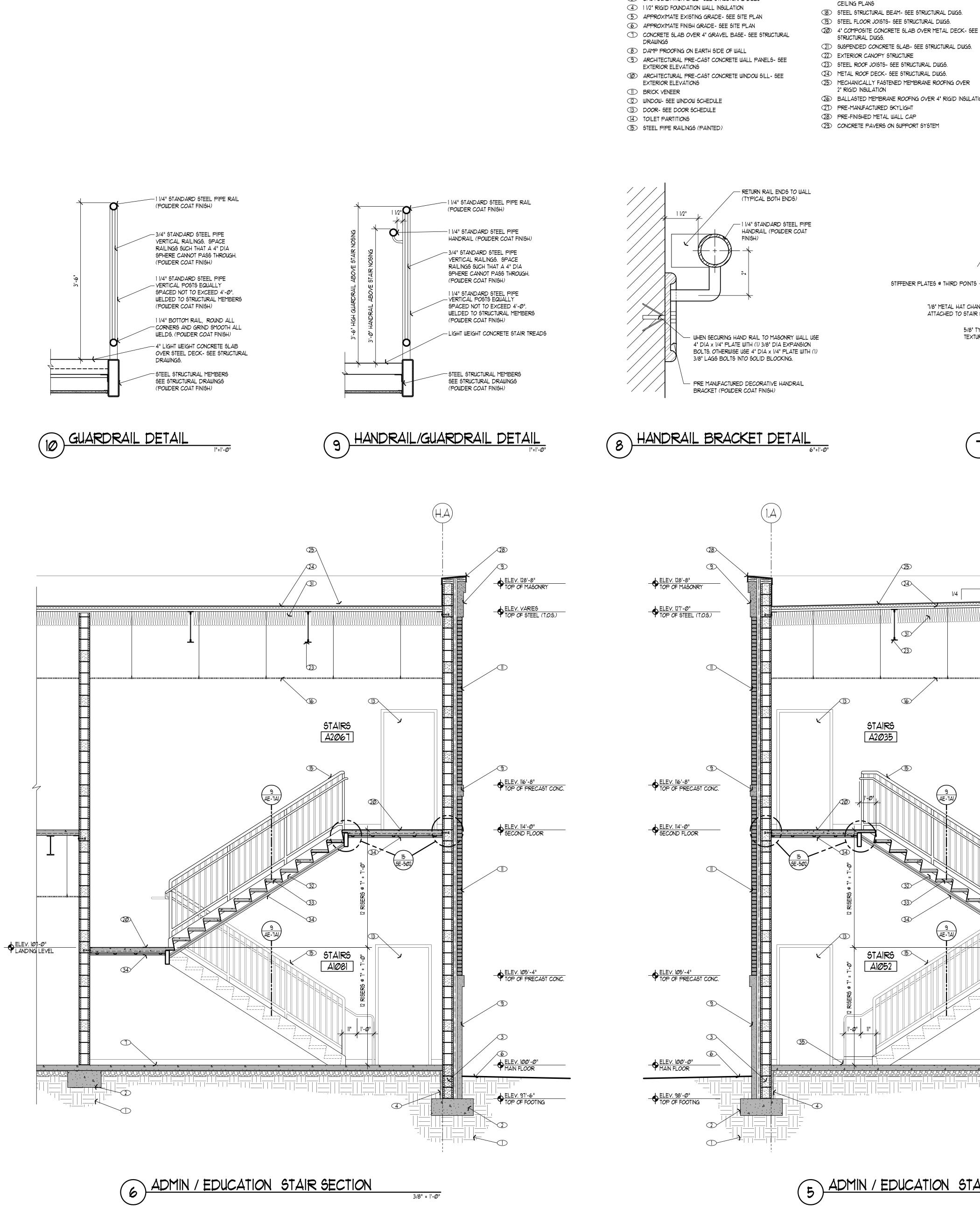
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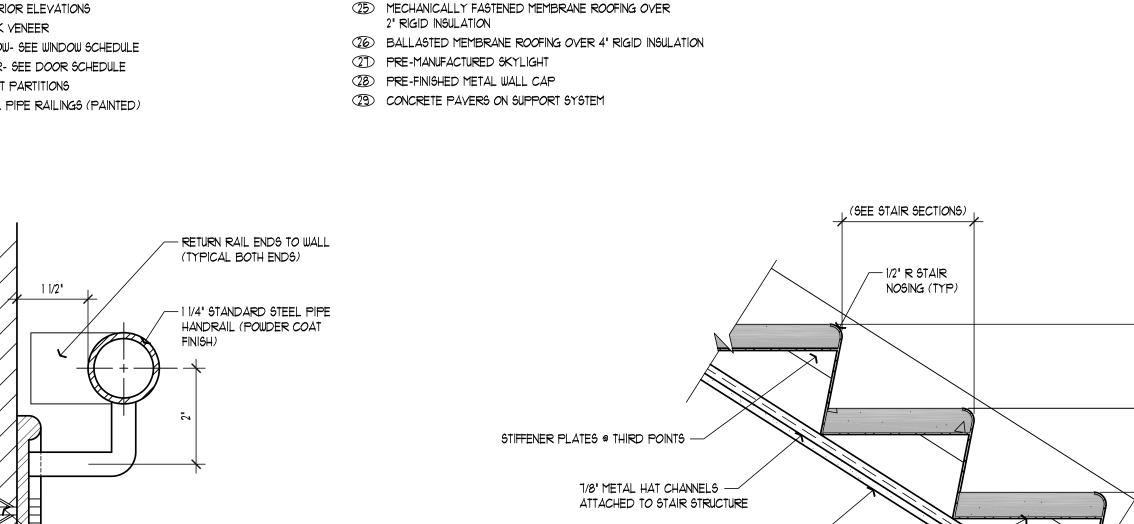
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5/8" TYPE "X" GYP. BOARD -

14 GAUGE METAL STAIR PANS

FILLED WITH CONCRETE WELDED TO STAIR STRINGER

TEXTURED AND PAINTED

6 SUSPENDED ACOUSTICAL CEILING TILE SYSTEM- SEE REFLECTED

SUSPENDED GYPSUM BOARD CEILING SYSTEM- SEE REFLECTED

SHEETNOTES

UNDISTURBED EARTH OR ENGINEERED FILL

2 CONCRETE FOOTINGS- SEE STRUCTURAL DUGS

3 CMU FOUNDATION WALL- SEE STRUCTURAL DUGS



PAINTING CONTRACTOR TO —

PAINT STAIR STRINGERS

30 MECHANICALLY FASTENED MEMBRANE ROOFING OVER

32) STEEL TUBE STAIR STRINGER, SEE STRUCTURAL DUGS.

33) CONCRETE FILLED METAL STAIR PANS, SEE DETAIL 1/AE-1AI

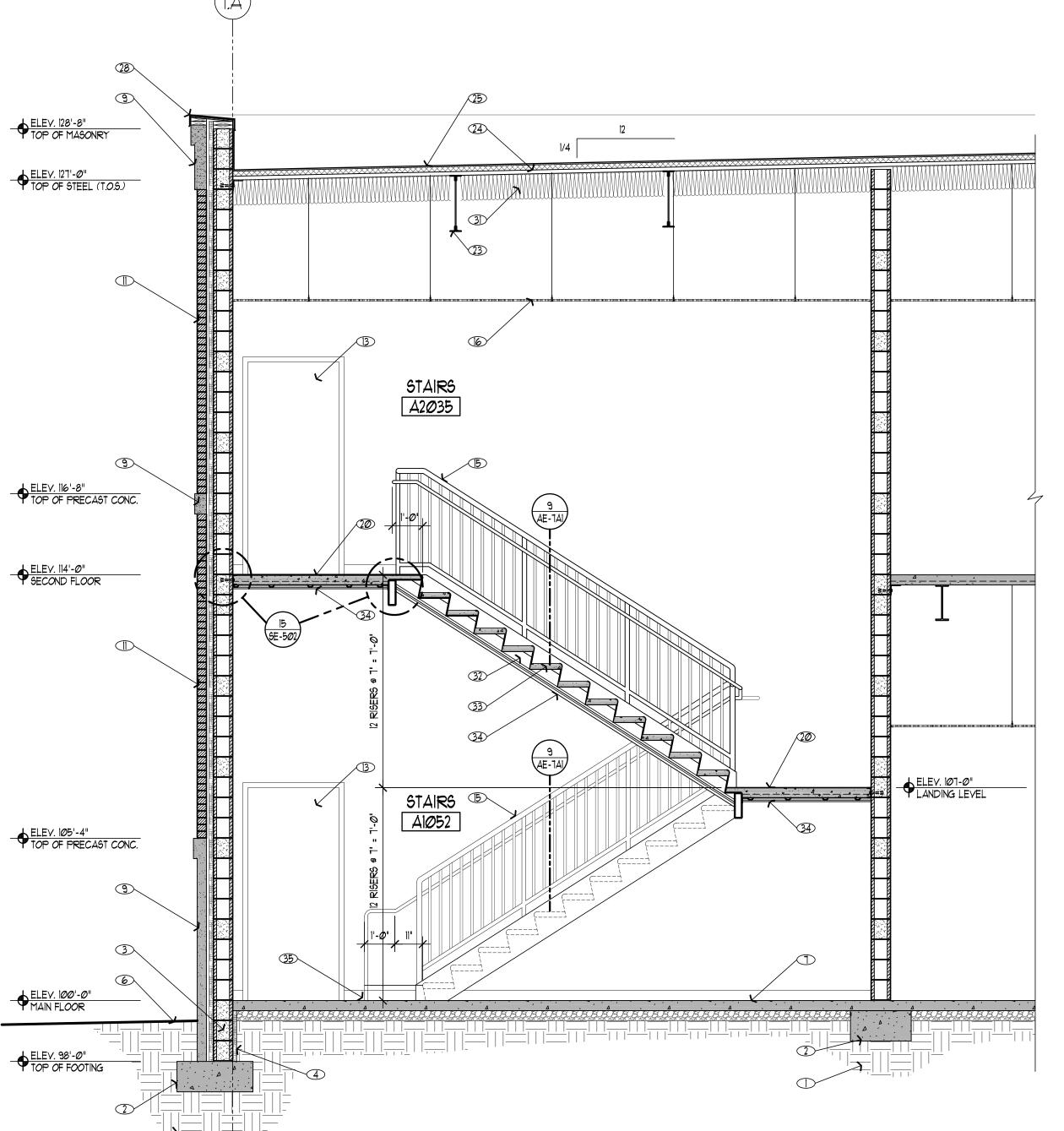
(1) LAYER 5/8' GYP BOARD OVER METAL HAT CHANNELS

35) RETURN HANDRAIL TO FLOOR, CORE DRILL CONC. & SET IN

3D R-30 INGULATION BATTS W/ VAPOR BARRIER

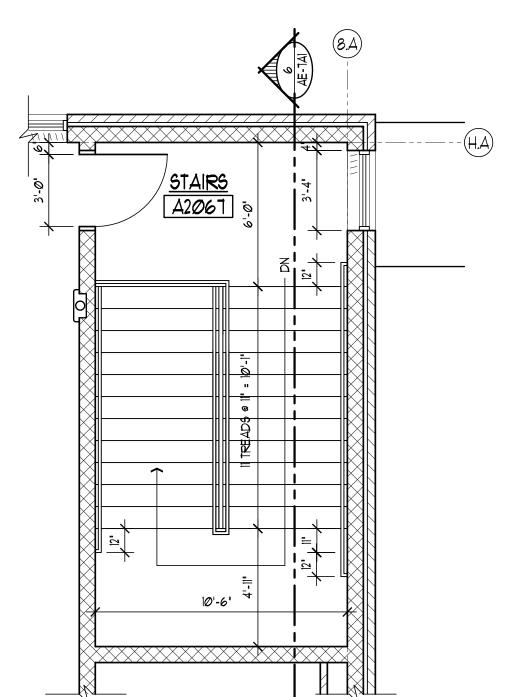
6' RIGID INSULATION

NON-SHRINK GROUT

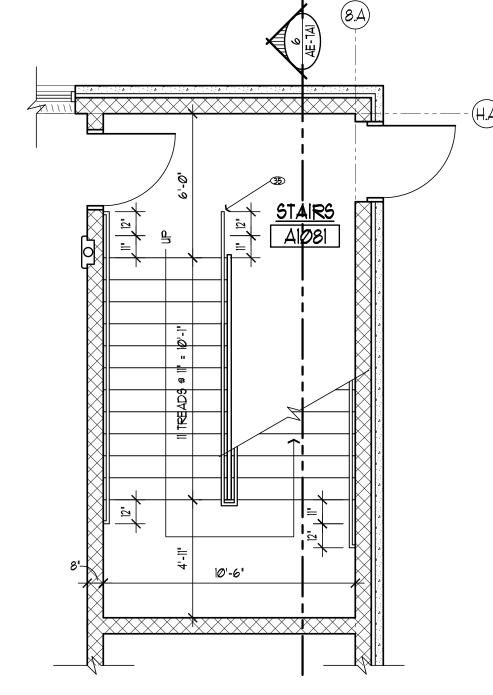


5 ADMIN / EDUCATION STAIR SECTION

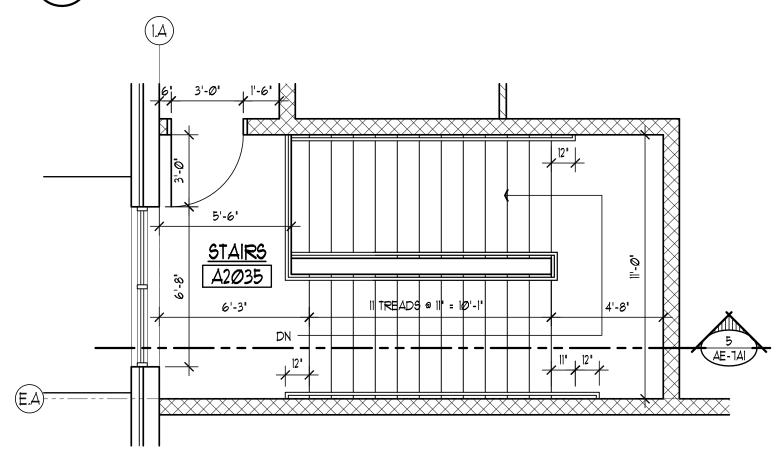
3/8" = 1'-Ø"



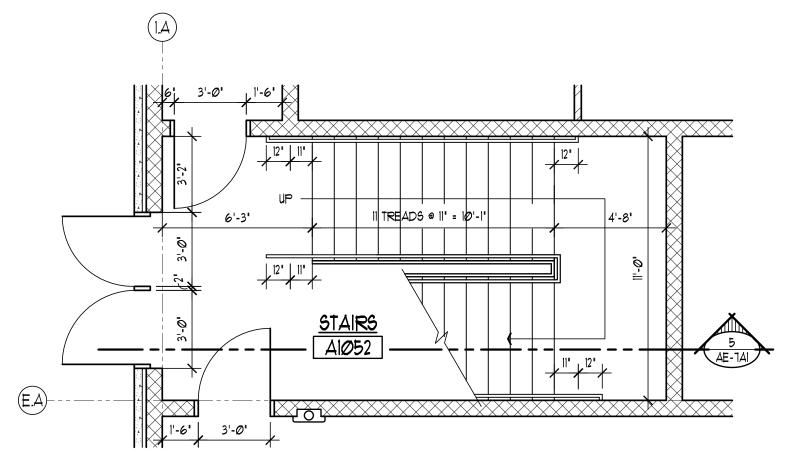
ADMIN / EDUCATION SECOND FLOOR STAIR PLAN



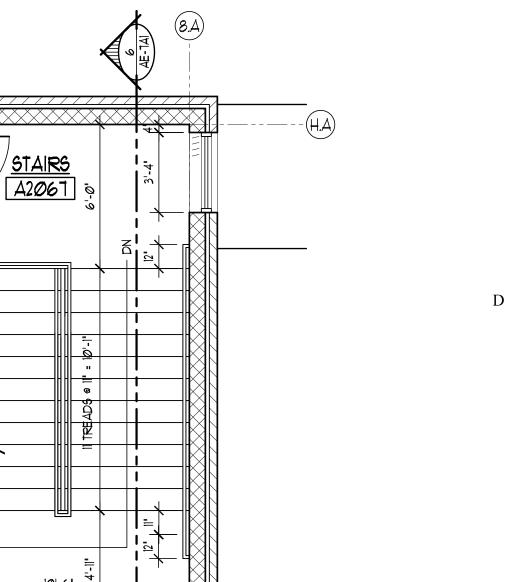
3 ADMIN / EDUCATION FIRST FLOOR STAIR PLAN



2 ADMIN / EDUCATION SECOND FLOOR STAIR PLAN



ADMIN / EDUCATION FIRST FLOOR STAIR PLAN



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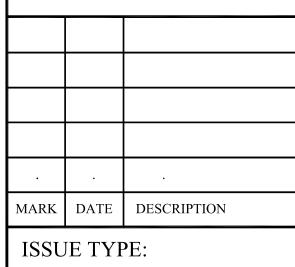
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ADMINISTRATION AND **EDUCATION BUILDING** ENLARGED STAIR PLANS AND STAIR SECTIONS

SHEET NUMBER

### SHEETNOTES

- UNDISTURBED EARTH OR ENGINEERED FILL
- 2 CONCRETE FOOTINGS- SEE STRUCTURAL DWGS
- 3 CMU FOUNDATION WALL- SEE STRUCTURAL DWGS 4 1 1/2" RIGID FOUNDATION WALL INSULATION
- 5 APPROXIMATE EXISTING GRADE- SEE SITE PLAN 6 APPROXIMATE FINISH GRADE- SEE SITE PLAN ONCRETE SLAB OVER 4' GRAVEL BASE- SEE STRUCTURAL
- 8 DAMP PROOFING ON EARTH SIDE OF WALL 3 ARCHITECTURAL PRE-CAST CONCRETE WALL PANELS- SEE
- EXTERIOR ELEVATIONS
- ARCHITECTURAL PRE-CAST CONCRETE WINDOW SILL- SEE EXTERIOR ELEVATIONS
- BRICK VENEER
- 12 WINDOW- SEE WINDOW SCHEDULE
- 3 DOOR- SEE DOOR SCHEDULE
- (4) TOILET PARTITIONS (5) STEEL PIPE RAILINGS (PAINTED)

- 6 SUSPENDED ACOUSTICAL CEILING TILE SYSTEM- SEE REFLECTED
- CEILING PLANS SUSPENDED GYPSUM BOARD CEILING SYSTEM- SEE REFLECTED
- CEILING PLANS
- B STEEL STRUCTURAL BEAM- SEE STRUCTURAL DWGS. (9) STEEL FLOOR JOISTS- SEE STRUCTURAL DWGS.
- 20 4' COMPOSITE CONCRETE SLAB OVER METAL DECK- SEE STRUCTURAL DWGS.
- 2D SUSPENDED CONCRETE SLAB- SEE STRUCTURAL DWGS.
- 22 EXTERIOR CANOPY STRUCTURE
- 23) STEEL ROOF JOISTS- SEE STRUCTURAL DWGS.
- 24) METAL ROOF DECK- SEE STRUCTURAL DWGS. 25) MECHANICALLY FASTENED MEMBRANE ROOFING OVER
- 2" RIGID INSULATION 26 BALLASTED MEMBRANE ROOFING OVER 4' RIGID INSULATION
- 2D PRE-MANUFACTURED SKYLIGHT
- 28) PRE-FINISHED METAL WALL CAP 29) CONCRETE PAVERS ON SUPPORT SYSTEM

- 30 MECHANICALLY FASTENED MEMBRANE ROOFING OVER
- 6' RIGID INSULATION 3) R-30 INSULATION BATTS W/ VAPOR BARRIER
- 32) STEEL TUBE STAIR STRINGER PAINTED, SEE STRUCTURAL DIUGS. 33) CONCRETE FILLED METAL STAIR PANS, SEE DETAIL 1/AE-1AI
- (1) LAYER 5/8' GYP BOARD OVER METAL HAT CHANNELS
- 35 ELEVATOR CAB
- 36 ELEVATOR LIFT SYSTEM 3D ELEVATOR DOOR SYSTEM

8 READS @ 11" = 7'-4"

2 ADMIN / EDUCATION SECOND FLOOR STAIR PLAN
1/4" = 1'-0"

AIØ32

ADMIN / EDUCATION FIRST FLOOR STAIR PLAN

3'-0' | TREADS @ | ' = 6'-5'

- 38) ELEVATOR THRESHOLD
- 39 ELEVATOR PIT LADDER (PAINTED) SEE DETAIL X/XX-XXX @ RETURN TO POST

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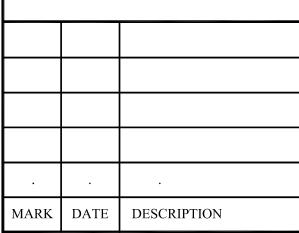
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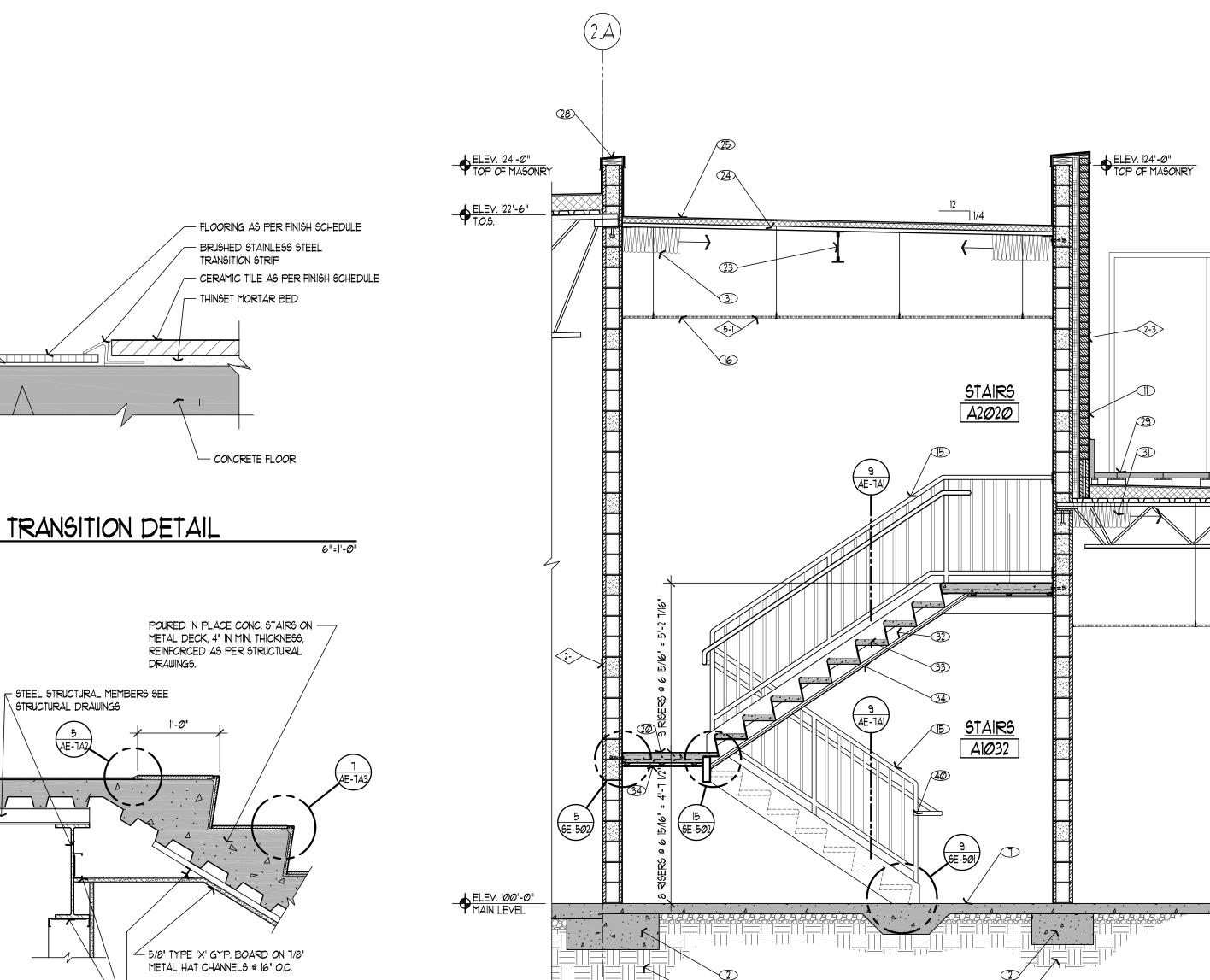
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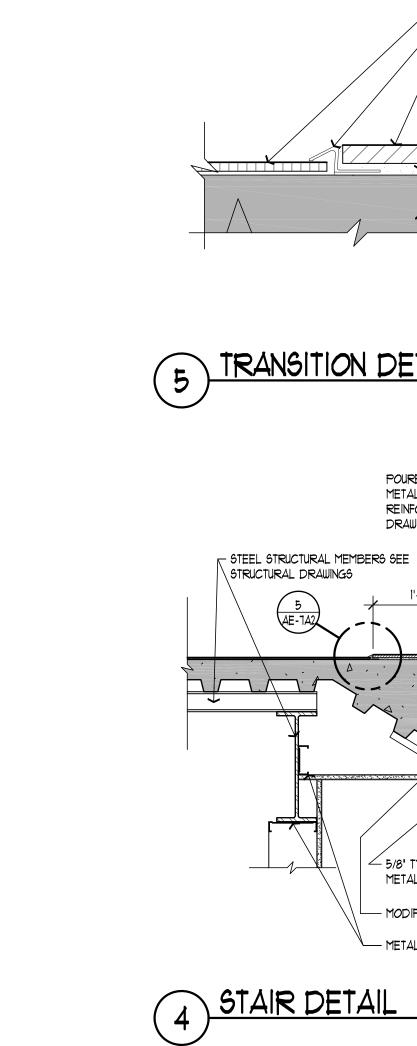
ADMINISTRATION AND EDUCATION BUILDING ENLARGED STAIR PLANS AND STAIR SECTIONS

SHEET NUMBER

77 OF 146



ADMIN / EDUCATION STAIR SECTION



METAL STUDS

8" CONCRETE MASONRY UNIT WALL REINFORCED AS PER STRUCTURAL DRAWINGS

SEMI-RECESSED FIRE EXTINGUISHER CABINET (SEE SPECIFICATIONS)

1/4" STANDARD STEEL PIPE RAIL

/ 1 1/4" STANDARD STEEL PIPE HANDRAIL (POWDER COAT FINISH)

(POWDER COAT FINISH)

3/4" STANDARD STEEL PIPE

(POWDER COAT FINISH) —

(POWDER COAT FINISH) -

VERTICAL RAILINGS. SPACE

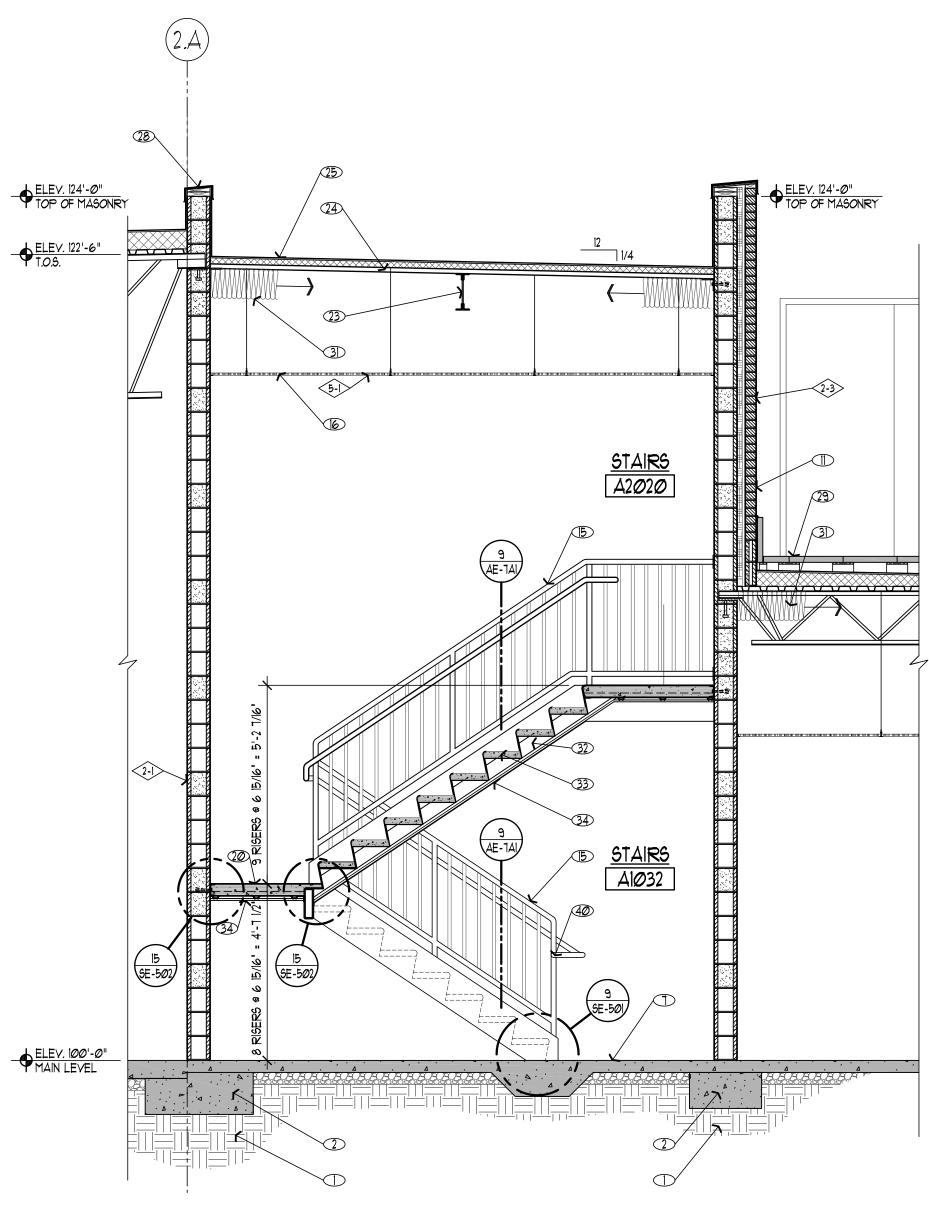
RAILINGS SUCH THAT A 4' DIA SPHERE CANNOT PASS THROUGH.

1 1/4" STANDARD STEEL PIPE VERTICAL POSTS EQUALLY SPACED NOT TO EXCEED 4'-0".

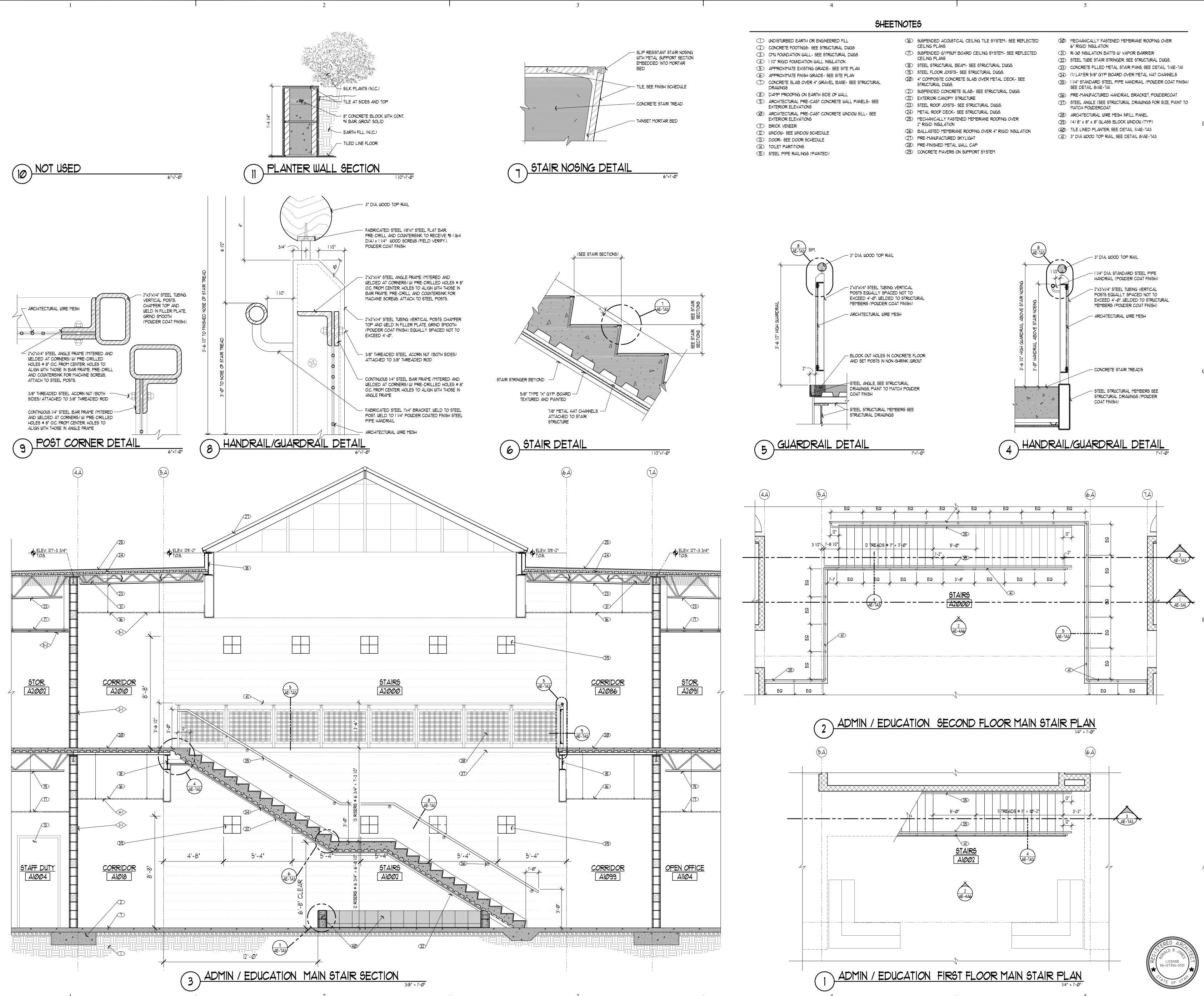
WELDED TO STRUCTURAL MEMBERS

INTERIOR ELEVATION A.V. ROOM #2019

6 ADMIN / EDUCATION STAIR SECTION
3/8" = 1'-0"



3/8" = 1'-Ø"



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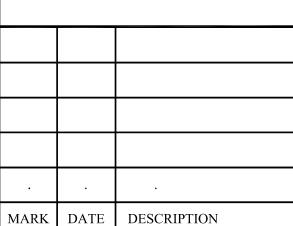
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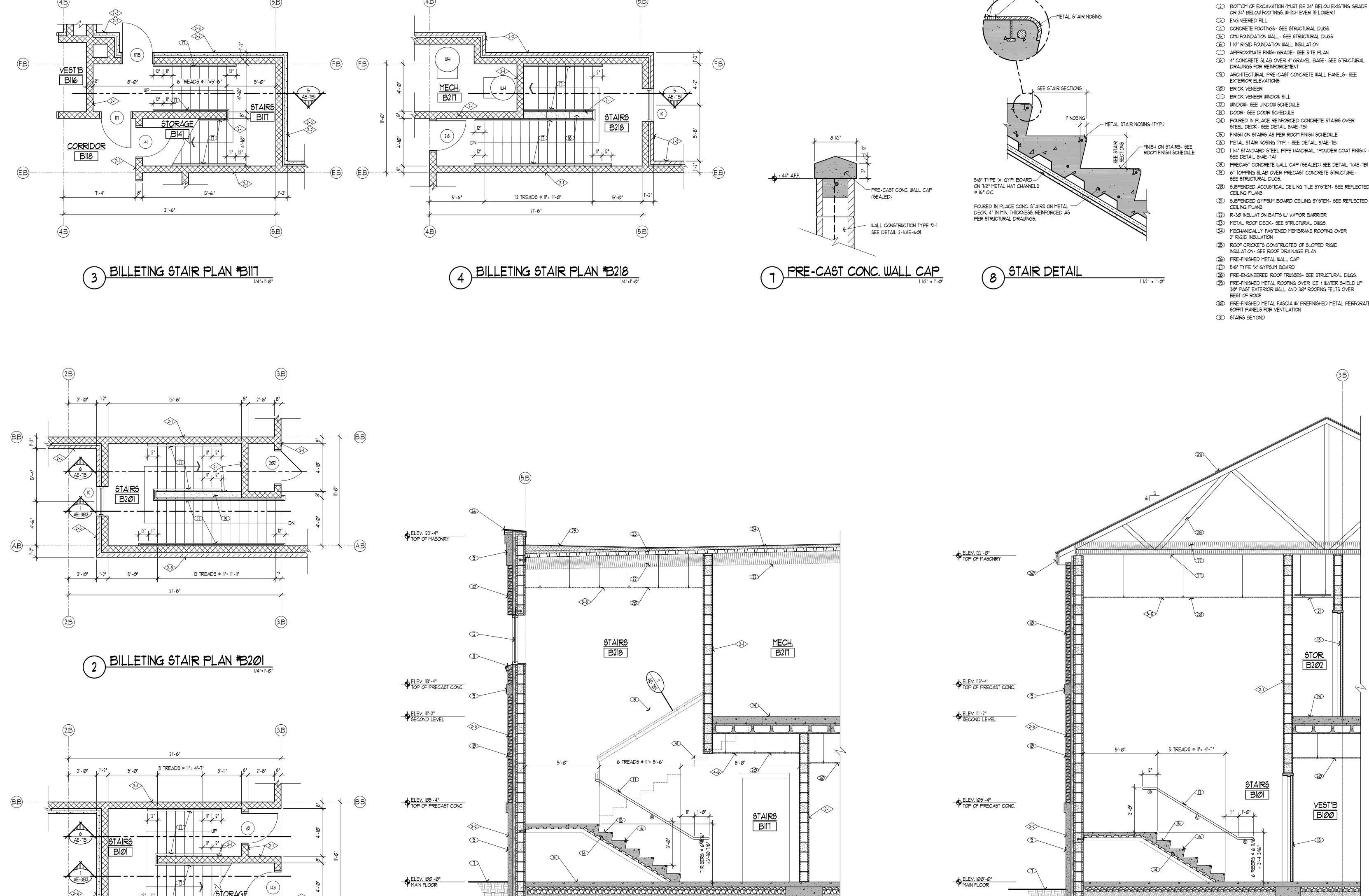
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ADMINISTRATION AND EDUCATION BUILDING ENLARGED STAIR PLANS AND STAIR SECTIONS

SHEET NUMBER

AE-7A3



5 BILLETING STAIR SECTION

BILLETING STAIR PLAN \*BIØI

# SHEETNOTES

TYPICAL REFERENCE FOR WALL CONSTRUCTION TYPES, SEE SHEET AE-601 FOR SPECIFIC DETAIL.

VCT AT TOP OF STAIRS SECOND LEVEL - SEE ROOM FINISH SCHEDULE

FLUSH JOINT

ELEV. 98'-0"
TOP OF FOOTING

- UNDISTURBED EARTH
- 2 BOTTOM OF EXCAVATION (MUST BE 24" BELOW EXISTING GRADE
- OR 24" BELOW FOOTINGS, WHICH EVER IS LOWER.)
- 3 ENGINEERED FILL 4 CONCRETE FOOTINGS- SEE STRUCTURAL DWGS
- 5 CMU FOUNDATION WALL- SEE STRUCTURAL DWGS
- APPROXIMATE FINISH GRADE- SEE SITE PLAN
- DRAWINGS FOR REINFORCEMENT
- 3 ARCHITECTURAL PRE-CAST CONCRETE WALL PANELS- SEE EXTERIOR ELEVATIONS
- **BRICK VENEER** BRICK VENEER WINDOW SILL
- 2 WINDOW- SEE WINDOW SCHEDULE
- 3 DOOR- SEE DOOR SCHEDULE
- 4 POURED IN PLACE REINFORCED CONCRETE STAIRS OVER STEEL DECK- SEE DETAIL 8/AE-7BI
- (B) FINISH ON STAIRS AS PER ROOM FINISH SCHEDULE
- METAL STAIR NOSING TYP. SEE DETAIL 8/AE-7BI
- SEE DETAIL 8/AE-7AI PRECAST CONCRETE WALL CAP (SEALED) SEE DETAIL 1/AE-1BI
- (9) 6' TOPPING SLAB OVER PRECAST CONCRETE STRUCTURE-SEE STRUCTURAL DWGS.
- 20 SUSPENDED ACOUSTICAL CEILING TILE SYSTEM- SEE REFLECTED CEILING PLANS
- 2D SUSPENDED GYPSUM BOARD CEILING SYSTEM- SEE REFLECTED
- CEILING PLANS 22 R-30 INSULATION BATTS W/ VAPOR BARRIER
- 23) METAL ROOF DECK- SEE STRUCTURAL DWGS. 24 MECHANICALLY FASTENED MEMBRANE ROOFING OVER
- 2" RIGID INSULATION 25 ROOF CRICKETS CONSTRUCTED OF SLOPED RIGID
- INSULATION- SEE ROOF DRAINAGE PLAN
- 26 PRE-FINISHED METAL WALL CAP 27) 5/8" TYPE 'X' GYPSUM BOARD
- 28) PRE-ENGINEERED ROOF TRUSSES- SEE STRUCTURAL DWGS. 29) PRE-FINISHED METAL ROOFING OVER ICE & WATER SHIELD UP 30' PAST EXTERIOR WALL AND 30\* ROOFING FELTS OVER
- REST OF ROOF 30 PRE-FINISHED METAL FASCIA W/ PREFINISHED METAL PERFORATED

STOR. B202

VEST'B Bloo

SOFFIT PANELS FOR VENTILATION

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BAY BILLETING BUILDING FLOOR PLANS

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